

**FINAL**  
**Phase II Environmental Site Assessment Report**

**Former Naval Training Center Bainbridge  
Port Deposit, MD**

**AOC 35 (International Crane – Drill Field)**

**Contract: EP-W-07-094**

**Task Award #0011 and #0012**

*Prepared for:*

U.S. Environmental Protection Agency  
Region 3  
1650 Arch Street (3PM52)  
Philadelphia, PA 19103-2029

*Prepared by:*

**The ARGO Team**



ARGO Systems, LLC  
1403 Madison Park Drive, Suite 205  
Glen Burnie, Maryland 21061

and

EA Engineering, Science, and Technology, Inc.  
15 Loveton Circle  
Sparks, Maryland 21152  
(410) 771-4950

October 2010

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Date

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Project Manager, ARGO

(b) (4)

27 October 2010

Date

Program Manager, ARGO

*Drew Lausch*

Drew Lausch  
Task Order Project Officer  
U.S. Environmental Protection Agency

*10/28/10*

Date

This report presents the results of the Phase II ESA activities conducted at Area of Concern (AOC) 35 (International Crane – Drill Field), which is located in Development Priority Area 1 of the Naval Training Center – Bainbridge (NTCB) property. The NTCB property (the “site”) is located in Port Deposit, Maryland 21904. AOC 2a is approximately 11.7 acres (600 ft x 850 ft) in size. This report is presented as Attachment 9 of the Former Naval Training Center Bainbridge Phase II Environmental Site Assessment Report.

## **BACKGROUND**

AOC 35 consists of Building 102 and Building 627. International Crane leased these buildings, and when their lease was terminated, a visual site inspection of Building #102 identified aboveground storage tanks (ASTs), abandoned vehicles, abandoned trailers, 55-gallon drums on the adjacent Drill Field, and stained surfaces (EA 1996). The ASTs, vehicles, trailers and drums were removed and no further action was determined.

## **WORK PERFORMED**

Sample grid point locations were identified based on a previous AOC figure (EA 1999) which highlighted building #102 associated with this AOC, and review of historical aerial photographs dated 1959, 1970, and 1975, 1981, 1987, 1998, 1999, and 2005 as provided by Environmental Data Resources, Inc. (EDR) and a 2008 Axis Geospatial, LLC aerial photograph on which the drill field can be seen in front of (western side) of building #102.

Soil samples were collected on 14, 17, and 18 May 2010. As part of the original planning process for this AOC, sample grid points were laid out using a 125 ft grid spacing. A grid pattern was used for this AOC as the locations of the previous ASTs, vehicles, trailers, drums, and staining are unknown. In accordance with the United States Environmental Protection Agency (USEPA) Former Naval Training Center Bainbridge Final Field Sampling Plan dated April 2010, soil samples were collected from the following grid points/depths:

- AOC 35–1 (0-1 ft depth)
- AOC 35–2 (0-1 ft depth)
- AOC 35–3 (0-1 ft depth)
- AOC 35–4 (0-1 ft depth)
- AOC 35–5 (0-1 ft depth)
- AOC 35–6 (0-1 ft depth)
- AOC 35–7 (0-1 ft depth)
- AOC 35–8 (0-1 ft depth)
- AOC 35–9 (0-1 ft depth)
- AOC 35–10 (0-1 ft depth)
- AOC 35–11 (0-1 ft depth)
- AOC 35–12 (0-1 ft depth)
- AOC 35–13 (0-1 ft depth)

- AOC 35–14 (0-1 ft depth)
- AOC 35–15 (0-1 ft depth)
- AOC 35–16 (0-1 ft depth)
- AOC 35–17 (0-1 ft depth)
- AOC 35–18 (0-1 ft depth)
- AOC 35–19 (0-1 ft depth)
- AOC 35–20 (0-1 ft depth)
- AOC 35–21 (0-1 ft depth)
- AOC 35–22 (0-1 ft depth)
- AOC 35–23 (0-1 ft depth)
- AOC 35–24 (0-1 ft depth)
- AOC 35–25 (0-1 ft depth)
- AOC 35–26 (0-1 ft depth)
- AOC 35–27 (0-1 ft depth)
- AOC 35–28 (0-1 ft depth)
- AOC 35–29 (0-1 ft depth)
- AOC 35–30 (0-1 ft depth)
- AOC 35–31 (0-1 ft depth)
- AOC 35–32 (0-1 ft depth)
- AOC 35–33 (0-1 ft depth)
- AOC 35–34 (0-1 ft depth)
- AOC 35–35 (0-1 ft depth)

As no previous remedial actions were performed at this AOC, soil samples were collected from the 0-1 ft depth.

Prior to initiation of sampling effort, brush clearing was performed in the sampling areas. In addition, layout of the sample grid collection pattern was also conducted at this time using a global positioning system (GPS) to locate and flag the sample locations. Prior to sampling, the local utility marking service (MISS Utility) was also contacted to perform municipal utility mark-out.

Samples were collected using a hand Geoprobe® tool which was decontaminated between each sample location. Site lithology and characterization information were recorded. Groundwater was not encountered in any of the borings.

Soil cores were screened visually and by a photoionization detector (PID) for the potential presence of VOCs. The results of the field screening were recorded by field personnel on soil boring logs using the Unified Soil Classification System (USCS). Visual observations did not identify any visual evidence of impact (e.g., soil staining), and no PID hits above background levels were identified.

Upon retrieval from the sampler, the acetate liner was cut to expose the entire length of the core. Prior to homogenization, aliquots for VOC analysis were collected using a EnCore® sampler following USEPA

Method SW5035. The remaining soil for that target interval was placed into a Ziploc bag and homogenized. A total of 35 discrete and six duplicate soil samples were collected for laboratory analysis. Where duplicates and/or matrix spike/matrix spike supplicates were collected, enough soil for both the discrete sample and the quality control samples were homogenized together. Following homogenization, soils were placed into samples jars as required by the analytical method. Unused portions of the soil cores were returned to the boreholes.

Samples were analyzed for the following:

- VOCs via USEPA Method 8260B. Note: In accordance with the USEPA Former Naval Training Center Bainbridge Final Field Sampling Plan dated April 2010, 50% of the samples were to be analyzed for VOCs, which was based on the results of visual observations and the PID screening during sample collection; however, VOC samples were collected from each sample grid point and submitted for laboratory analysis. The VOC soil samples were collected from the lower portion of the depth intervals.
- Semi-volatile organic compounds (SVOC) via USEPA Method 8270C
- Priority pollutant list (PPL) metals analysis via USEPA Method 6020A.
- Total Petroleum Hydrocarbons – Diesel Range Organic (TPH-DRO) via USEPA Method 8015
- Total Petroleum Hydrocarbons – Gasoline Range Organic (TPH-GRO) via USEPA Method 8015

Soil samples for laboratory analysis were placed on ice and delivered to Phase Separation Science, Inc. (Phase) in Catonsville, Maryland. Laboratory analysis was performed with low detection limits so that comparison could be conducted against the MDE Cleanup Standards for Soil and Groundwater (Update No. 2.1) dated June 2008.

A figure showing the sample locations is included in Attachment A. A summary Table of the laboratory analytical results is included in Attachment B, and laboratory results provided by Phase are included in Attachment C.

## RESULTS

**TPH-DRO:** TPH-DRO was reported in 23 discrete soil samples and two duplicate soil samples, but at concentrations below the MDE Residential Soil Cleanup Standard. TPH-DRO was not reported in the remaining samples above the laboratory reporting limits.

**TPH-GRO:** TPH-GRO was reported in seven discrete soil samples, but at concentrations below the MDE Residential Soil Cleanup Standard. TPH-GRO was not reported in the remaining samples above the laboratory reporting limits.

**SVOCs:** SVOC results at or above the applicable MDE Residential Soil Cleanup Standards were reported in two of 35 discrete soil samples, and two duplicate soil samples, collected at this AOC. The following SVOCs, along with their associated MDE Residential Cleanup Standard, were reported at or above the applicable cleanup standard in one or more of these 27 discrete samples: Benzo(a)anthracene (MDE

Residential Soil Cleanup Standard of 220 micrograms per kilogram [ $\mu\text{g}/\text{kg}$ ]); benzo(a)pyrene (MDE Residential Soil Cleanup Standard of 22  $\mu\text{g}/\text{kg}$ ); benzo(b)fluoranthene (MDE Residential Soil Cleanup Standard of 220  $\mu\text{g}/\text{kg}$ ); dibenz(a,h)anthracene (MDE Residential Soil Cleanup Standard of 22  $\mu\text{g}/\text{kg}$ ); and indeno(1,2,3-c,d)pyrene (MDE Residential Soil Cleanup Standard of 220  $\mu\text{g}/\text{kg}$ ).

The following samples were reported with SVOCs at or above the applicable MDE Residential Soil Cleanup Standards:

- AOC-35-6: Benzo(a)anthracene at 1,400  $\mu\text{g}/\text{kg}$ ; benzo(a)pyrene at 1,900  $\mu\text{g}/\text{kg}$ ; benzo(b)fluoranthene at 2,200  $\mu\text{g}/\text{kg}$ ; dibenz(a,h)anthracene at 250  $\mu\text{g}/\text{kg}$ ; and indeno(1,2,3-cd)pyrene at 1,500  $\mu\text{g}/\text{kg}$
- DUP-AOC-35-01 (duplicate of AOC-35-10): Benzo(a)pyrene at 120  $\mu\text{g}/\text{kg}$
- AOC-35-27: Benzo(a)pyrene at 51  $\mu\text{g}/\text{kg}$
- DUP-AOC-35-03 (duplicate of AOC-35-30): Benzo(a)pyrene at 82  $\mu\text{g}/\text{kg}$

None of the remaining samples were reported with concentrations of benzo(a)pyrene at or above the laboratory reporting limits. None of the remaining samples were reported with concentrations of benzo(a)anthracene or benzo(b)fluoranthene at or above the applicable MDE Residential Soil Cleanup Standards. None of the samples were reported with concentrations of benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, phenanthrene, or pyrene at or above the applicable MDE Residential Soil Cleanup Standards. No other SVOCs were reported above the laboratory reporting limits in any soil samples.

VOCs: Acetone was reported in all of the soil samples analyzed for VOCs, but at concentrations below the applicable MDE Residential Soil Cleanup Standard. No other VOCs were reported above the laboratory reporting limits.

Metals: Metals results at or above the applicable MDE Residential Soil Cleanup Standards were reported in 22 of 35 discrete soil samples, and two duplicate samples, collected at this AOC. The following metals, along with their associated MDE Residential Cleanup Standard, were reported at or above the applicable cleanup standard in one or more of these 56 discrete samples: Chromium (total) (23 mg/kg); and mercury (element) (0.09 mg/kg).

The following samples were reported with metals at or above the applicable MDE Residential Soil Cleanup Standards. In addition, as no mercury speciation was performed, the mercury sample results were compared against both the mercury (inorganic/Mercuric Dichloride) and mercury (element) MDE Soil Cleanup Standards.

- AOC-35-1: Chromium (total) at 76 mg/kg
- AOC-35-2: Chromium (total) at 46 mg/kg
- AOC-35-3: Chromium (total) at 61 mg/kg
- AOC-35-4: Chromium (total) at 30 mg/kg
- AOC-35-5: Chromium (total) at 35 mg/kg

- AOC-35-7: Chromium (total) at 31 mg/kg; and mercury at 0.46 mg/kg
- AOC-35-8: Chromium (total) at 41 mg/kg
- AOC-35-9: Chromium (total) at 78 mg/kg
- AOC-35-12: Chromium (total) at 45 mg/kg
- DUP-AOC-35-05 (duplicate sample of AOC-35-13): Chromium (total) at 24 mg/kg
- AOC-35-15: Chromium (total) at 25 mg/kg; and mercury at 0.09 mg/kg
- AOC-35-18: Chromium (total) at 38 mg/kg
- AOC-35-19: Chromium (total) at 300 mg/kg
- AOC-35-21: Chromium (total) at 23 mg/kg
- AOC-35-22: Chromium (total) at 29 mg/kg
- AOC-35-23: Chromium (total) at 35 mg/kg  
AOC-35-24: Chromium (total) at 34 mg/kg
- AOC-35-25: Chromium (total) at 23 mg/kg
- AOC-35-27: Chromium (total) at 37 mg/kg
- AOC-35-28: Chromium (total) at 29 mg/kg
- AOC-35-29: Chromium (total) at 450 mg/kg
- AOC-35-30 (and its' duplicate sample DUP-AOC-35-03): Chromium (total) at 33 mg/kg (duplicate sample at 33 mg/kg)
- AOC-35-31: Mercury at 0.09 mg/kg

For reference purposes, the background metals results (Section B.3.3 of the Former Naval Training Center Bainbridge Phase II Environmental Site Assessment Report) for soil samples collected nearest this AOC (from the south-central portion of the Site) include the following:

- Chromium: 11 to 27 mg/kg
- Mercury: Non-Detect (ND) to 0.11 mg/kg

In addition, the following are the MDE Anticipated Typical Concentration in soils (Eastern, MD) for these metals: Chromium (total) (28 mg/kg); and mercury (elemental) (0.09 mg/kg).

None of the remaining samples were reported with concentrations of chromium (total) or mercury at or above the applicable MDE Residential Soil Cleanup Standards. None of the samples were reported with concentrations of arsenic, beryllium, copper, lead, nickel, thallium or zinc at or above the applicable cleanup standards. Antimony, selenium, and silver were not reported above the laboratory reporting limits in any soil samples.

#### **DATA VALIDATION:**

Based on the results of data validation performed as part of this Phase II ESA (Section B.4 of the Former Naval Training Center Bainbridge Phase II Environmental Site Assessment Report), all data associated with this AOC are acceptable for their intended use with the exception of the following samples/constituents which were rejected by the validator:

- Benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and ideno(1,2,3-c,d)pyrene results for the following sample were rejected due to unacceptable laboratory calibration values:
  - AOC-35-4
- Styrene, 1,3,5-trimethylbenzene, n-butylbenzene, and 1,2-dibromo-3-chloropropane results for the following sample due to unacceptable MS/MSD recoveries:
  - AOC-35-20 MS/MSD
- 4-methyl-2-pentanone results for the following samples due to unacceptable laboratory calibration values:
  - AOC-35-28; AOC-35-29; AOC-35-30; AOC-35-31; AOC-35-32; AOC-35-33; AOC-35-34; AOC-35-35; and DUP-AOC-35-03
- Acetone, 2-butone, and 4-methyl-2-pentanone results for the following samples due to unacceptable laboratory calibration values:
  - AOC-35-1
- 2-butone and 4-methyl-2-pentanone results for the following samples due to unacceptable laboratory calibration values:
  - AOC-35-2; AOC-35-3; AOC-35-4; AOC-35-5; AOC-35-6; AOC-35-7; AOC-35-8; AOC-35-9; AOC-35-10; AOC-35-11; AOC-35-12; AOC-35-13; AOC-35-14; AOC-35-15; AOC-35-16; AOC-35-17; AOC-35-18; AOC-35-19; AOC-35-20 MS/MSD; AOC-35-21; AOC-35-22; AOC-35-23; AOC-35-24; AOC-35-25; AOC-35-26; AOC-35-27; DUP AOC-35-01A and DUP-AOC-35-0-2

### **CONCLUSIONS:**

No TPH-DRO, TPH-GRO, or VOCs were reported above the MDE Residential Soil Cleanup Standards.

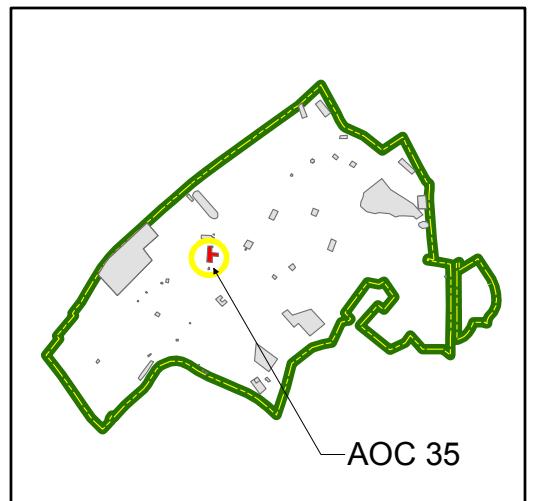
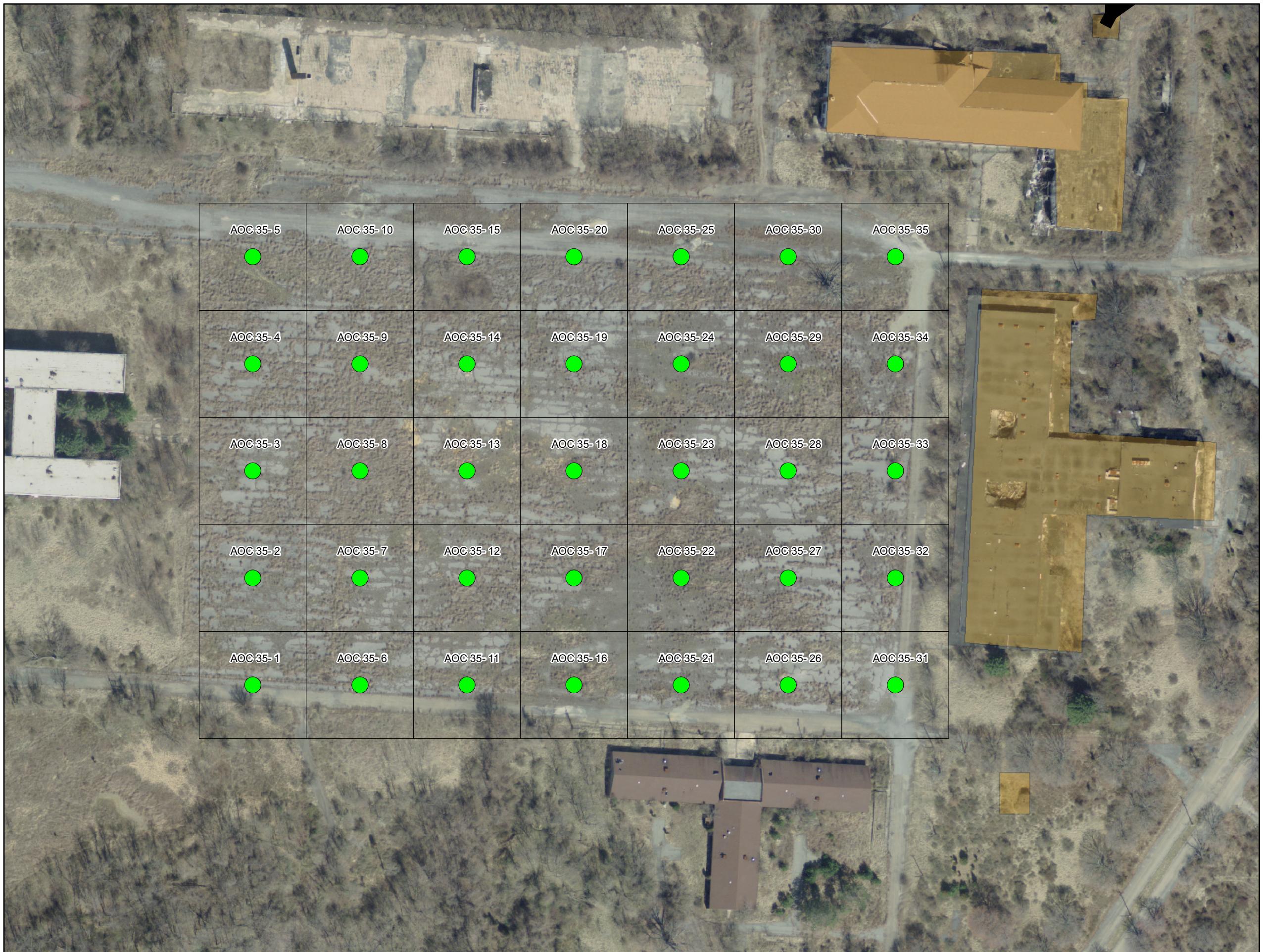
SVOCs were reported by the laboratory above the MDE Residential Soil Cleanup Standards in samples collected from four of 35 sample grid points, therefore, SVOCs do not appear to be widespread throughout the AOC. However, the exact source(s) of the SVOCs is unknown, but are suspected to be associated with the previous use of the Drill Field by International Crane.

Metals, including chromium (total) and mercury, appear to be widespread throughout this AOC as they were reported by the laboratory at or above the MDE Residential Soil Cleanup Standards in samples collected from 23 of 35 sample grid points. Furthermore, the majority of the reported chromium results, and all of the reported mercury results, at or above the MDE Residential Soil Cleanup Standards were also at or above the MDE ATC for chromium/mercury in soils (Eastern, MD). However, the exact source(s) of the metals is unknown, but are suspected to be associated with the previous use of the Drill Field by International Crane.

#### Attachments:

- Attachment A: Figure
- Attachment B: Table
- Attachment C: Laboratory Analytical Results

**Attachment A**  
**Figure**



**Figure 1**  
**Area of Concern 35**  
**(International**  
**Crane-Drill Field)**  
**Sampling Design**

Naval Training Center Bainbridge  
Port Deposit, Maryland



0 20 40 60 80  
Meters

0 75 150 225 300  
Feet

**EA** EA Engineering, Science,  
and Technology, Inc.

#### Legend

- Property Boundary
- Area of Concern
- 125 ft Grid
- Sample Location

Source: Axis Geospatial LLC, 2008

Projection: NAD 1983 Maryland StatePlane (ft)

August, 2010

**Attachment B**  
**Tables**

# NTCB AOC 35 (International Crane-Drill Field) Metals and TPH Sample Results

Date Sample Collected:				5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/17/2010	5/17/2010	5/14/2010	
Sample Number				AOC-35-1	AOC-35-2	AOC-35-3	AOC-35-4	AOC-35-5	AOC-35-6	AOC-35-7	AOC-35-8	AOC-35-9	AOC-35-10	DUP AOC-35-01 (dup of AOC-35-10)	DUP-AOC-35-06 (dup of AOC-35-10)	AOC-35-11	AOC-35-12	AOC-35-13		
Sample Depth				0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	
Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Analyte	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)	MDE Anticipated Typical Concentration in Soils (Eastern MD)	<b>Metals Lab Results - mg/kg (or ppm)</b>																
Antimony	3.1	41	---	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	N/A	ND	ND(ul)	ND(ul)	N/A		
Arsenic	6.0 (**)	6.0 (**)	3.6	3.4	3.2	3.7	4.4	4.0	4.9	5.7	5.4	2.8	3.6	N/A	3.4	2.7	4.0	N/A		
Beryllium	16	200	---	1.3 (k)	1.3 (k)	1.7 (k)	2.2 (k)	1.5 (j)	ND(uj)	1.5 (j)	1.6 (j)	2.8 (j)	3.4(j)	N/A	3.0(j)	ND(uj)	2.2 (j)	N/A		
Cadmium	3.9	51	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	ND	ND	N/A		
Chromium (total)	23	310	28.0	76(k)	46(k)	61(k)	30(k)	35	16	31	41	78	22	N/A	21(l)	16	45	N/A		
Copper	310	4100	---	36(k)	27(k)	22(k)	43(k)	20	13	20	21	66	54	N/A	49	22	33	N/A		
Lead	400	1000	---	20	13	13	16	14	52	21	15	39	18	N/A	16	13	12	N/A		
Mercury (element)	0.09	0.09	0.09	0.05 (j)	0.05 (j)	0.05 (j)	ND	ND	0.07 (j)	0.46	0.07 (j)	0.07 (j)	ND	N/A	ND	0.06 (j)	ND	N/A		
Mercury (1)	2.3	31	0.51	0.05 (j)	0.05 (j)	0.05 (j)	ND	ND	0.07 (j)	0.46	0.07 (j)	0.07 (j)	ND	N/A	ND	0.06 (j)	ND	N/A		
Nickel	160	2000	---	34	11	17	15	13	7.6	14	18	23	15	N/A	14	7.7	17	N/A		
Selenium	39	510	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	ND	ND	N/A		
Silver	39	510	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND	ND	ND	N/A		
Thallium	0.55	7.2	3.9	0.34 (j)	0.22 (j)	ND	0.53	0.28 (j)	ND	0.26 (j)	0.35 (j)	0.32 (j)	ND	N/A	0.24 (j)	ND	ND	N/A		
Zinc	2,300	31,000	---	100(j)	41(j)	51(j)	67(j)	51	33	62	79	65	49	N/A	50(l)	34	46	N/A		
Analyte	MDE Residential Soil Cleanup Standard (µg/kg)	MDE Non-Residential Soil Cleanup Standard (µg/kg)	MDE Anticipated Typical Concentration in Soils (Eastern MD)	<b>TPH-GRO Lab Results - µg/kg (or ppm)</b>																
Gasoline Range Organics (GRO)	230,000	620,000	--	ND	ND	ND	52 (j)	99	69 (j)	ND	ND	ND	ND	N/A	N/A	ND	ND	ND		
Analyte	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)	MDE Anticipated Typical Concentration in Soils (Eastern MD)	<b>TPH-DRO Lab Results - mg/kg (or ppm)</b>																
Diesel Range Organics (DRO)	230	620	--	ND	ND	21 (hf)	26 (hf)	ND	120 (hf)	ND	6.4 (j)	32 (hf)	18 (hf)	15 (hf)	N/A	19 (hf)	23 (hf)	16 (hf)		

**Notes:** (\*\*) Arsenic set by MDE as Site-Specific Concentration

N/A = Not Laboratory Analyzed

ND = Not Reported By Laboratory Above Reporting Limit

Maryland Department of the Environment (MDE) Cleanup Standards for

Soil and Groundwater, June 2008. Interim Final Guidance (update No.2.1).

(j) Lab Estimate Below Calibration Curve

(hf) = Heavier fuel/oil pattern observed in the sample by laboratory

mg/kg = milligrams per kilogram      µg/kg = microgram per kilogram

ppm = parts per million

ppb = part per billion

ft = feet

(1) inorganic/Mercuric Dichloride

(ul), (k), (uj), (l), (ul) see validation results

Indicates Result At or Above MDE Residential Cleanup Standard

# NTCB AOC 35 (International Crane-Drill Field) Metals and TPH Sample Results

Date Sample Collected:				5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010 and 5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	
Sample Number				AOC-35-13 MS/MSD	DUP AOC-35-01a (dup of AOC-35-13)	DUP-AOC-35-05 (dup of AOC-35-13)	AOC-35-14	AOC-35-15	AOC-35-16	AOC-35-17	AOC-35-18	AOC-35-19	AOC-35-20 MSMSD	AOC-35-20	DUP-AOC-35-0-2 (dup of AOC-35-20)	AOC-35-21	
Sample Depth				0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	
Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>Metals Lab Results - mg/kg (or ppm)</b>																	
Antimony	3.1	41	---	ND(ul)	N/A	ND	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	N/A	ND(ul)	N/A	ND(ul)	
Arsenic	6.0 (**)	6.0 (**)	3.6	2.2	N/A	2.7	3.7	2.2	2.9	3.3	2.7	6.1	N/A	2.1	N/A	5.8	
Beryllium	16	200	---	1.4 (j)	N/A	ND(uj)	ND(uj)	1.7 (j)	ND(uj)	2.1 (j)	1.4 (j)	1.9 (j)	N/A	2.7(j)	N/A	ND(uj)	
Cadmium	3.9	51	---	ND	N/A	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	N/A	ND	
Chromium (total)	23	310	28.0	22	N/A	24(l)	19	25	12	22	38	300	N/A	20	N/A	23	
Copper	310	4100	---	7.2	N/A	9.4	13	15	15	30	34	26	N/A	23	N/A	14	
Lead	400	1000	---	11	N/A	13	12	15	8.3	11	9.9	13	N/A	9.2	N/A	22	
Mercury (element)	0.09	0.09	0.09	0.07 (j)	N/A	0.06 (j)	ND	0.09 (j)	ND	ND	ND	N/A	ND	N/A	N/A	ND	
Mercury (I)	2.3	31	0.51	0.07 (j)	N/A	0.06 (j)	ND	0.09 (j)	ND	ND	ND	N/A	ND	N/A	N/A	ND	
Nickel	160	2000	---	14	N/A	15	17	18	6.1	8.3	16	26	N/A	10	N/A	16	
Selenium	39	510	---	ND	N/A	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	N/A	ND	
Silver	39	510	---	ND	N/A	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	N/A	ND	
Thallium	0.55	7.2	3.9	0.37 (j)	N/A	ND	0.26 (j)	0.51 (j)	0.27 (j)	ND	ND	N/A	ND	N/A	N/A	ND	
Zinc	2,300	31,000	---	41	N/A	42(l)	58	120	34	65	68	46	N/A	42	N/A	38	
<b>TPH-GRO Lab Results - µg/kg (or ppm)</b>																	
Analyte	MDE Residential Soil Cleanup Standard (µg/kg)	MDE Non-Residential Soil Cleanup Standard (µg/kg)	MDE Anticipated Typical Concentration in Soils (Eastern MD)														
Gasoline Range Organics (GRO)	230,000	620,000	--	N/A	ND	N/A	ND	ND	ND	ND	ND	ND	ND	N/A	ND	ND	
<b>TPH-DRO Lab Results - mg/kg (or ppm)</b>																	
Analyte	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)	MDE Anticipated Typical Concentration in Soils (Eastern MD)														
Diesel Range Organics (DRO)	230	620	--	N/A	N/A	N/A	9.2 (j)	8.8 (j)	ND	36 (hf)	ND	21 (hf)	ND	N/A	17 (hf)	ND	

**Notes:** (\*\*) Arsenic set by MDE as Site-Specific Concentration

Indicates Result At or Above MDE Residential Cleanup Standard

N/A = Not Laboratory Analyzed

ND = Not Reported By Laboratory Above Reporting Limit

Maryland Department of the Environment (MDE) Cleanup Standards for

Soil and Groundwater, June 2008. Interim Final Guidance (update No.2.1).

(j) Lab Estimate Below Calibration Curve

(hf) = Heavier fuel/oil pattern observed in the sample by laboratory

mg/kg = milligrams per kilogram      µg/kg = microgram per kilogram

ppm = parts per million

ppb = part per billion

ft = feet

(1) inorganic/Mercuric Dichloride

(ul), (k), (uj), (l), (ul) see validation results

# NTCB AOC 35 (International Crane-Drill Field) Metals and TPH Sample Results

Date Sample Collected:				5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	
Sample Number				AOC-35-22	AOC-35-23	AOC-35-24	AOC-35-25	AOC-35-26	AOC-35-27	AOC-35-28	AOC-35-29	AOC-35-30	DUP-AOC-35-03 (dup of AOC-35-30)	AOC-35-31	AOC-35-32	AOC-35-33	AOC-35-34	AOC-35-35
Sample Depth				0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft										
Matrix				Soil	Soil	Soil	Soil	Soil	Soil									
Metals Lab Results - mg/kg (or ppm)																		
Antimony	3.1	41	---	ND(ul)	ND(ul)	ND(ul)	ND	ND	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	ND(ul)	
Arsenic	6.0 (**)	6.0 (**)	3.6	5.6	3.4	4.9	1.6	3.4	2.7	3.1	2.2	3.3	3.9	1.6	2.5	3.4	1.7	3.9
Beryllium	16	200	---	ND(uj)	ND(uj)	ND(uj)	1.6 (j)	ND(uj)	1.6 (j)	3.1(k)	3.0(k)	2.5(k)	1.6 (k)	2.4 (k)	ND	1.2 (k)	ND	1.3 (k)
Cadmium	3.9	51	---	ND	ND	ND	ND	ND	ND									
Chromium (total)	23	310	28.0	29	35	34	23(l)	21(l)	37(l)	29(k)	450(k)	33(k)	33(k)	8.4(k)	3.6(k)	16(k)	14(k)	22(k)
Copper	310	4100	---	20	69	18	24	19	26	38(k)	45(k)	15(k)	17(k)	41(k)	30(k)	13(k)	5.1(k)	14(k)
Lead	400	1000	---	22	12	13	12	12	70	3.7	6.9	7.6	15	5.9	2.9	11	6.6	12
Mercury (element)	0.09	0.09	0.09	0.05 (j)	ND	ND	ND	ND	ND	0.08 (j)	ND	ND	ND	0.09 (j)	ND	ND	ND	ND
Mercury (1)	2.3	31	0.51	0.05 (j)	ND	ND	ND	ND	ND	0.08 (j)	ND	ND	ND	0.09 (j)	ND	ND	ND	ND
Nickel	160	2000	---	12	14	13	15	8.5	16	7.7	31	15	15	8.4	2.2 (j)	8.1	5.6	9.6
Selenium	39	510	---	ND	ND	ND	ND	ND	ND									
Silver	39	510	---	ND	ND	ND	ND	ND	ND									
Thallium	0.55	7.2	3.9	ND	ND	ND	0.37 (j)	ND	0.27 (j)	ND	ND	ND	0.35 (j)	ND	0.33 (j)	0.25 (j)	0.34 (j)	0.25 (j)
Zinc	2,300	31,000	---	49	49	45	70	37(l)	57(l)	35(j)	44(j)	45(j)	50(j)	44(j)	29(j)	42(j)	39(j)	37(j)
TPH-GRO Lab Results - µg/kg (or ppm)																		
Analyte	MDE Residential Soil Cleanup Standard (µg/kg)	MDE Non-Residential Soil Cleanup Standard (µg/kg)	MDE Anticipated Typical Concentration in Soils (Eastern MD)															
Gasoline Range Organics (GRO)	230,000	620,000	--	ND	ND	ND	ND	ND	ND	110 (j)	57 (j)	ND	ND	ND	ND	ND	78 (j)	63 (j)
TPH-DRO Lab Results - mg/kg (or ppm)																		
Analyte	MDE Residential Soil Cleanup Standard (mg/kg)	MDE Non-Residential Soil Cleanup Standard (mg/kg)	MDE Anticipated Typical Concentration in Soils (Eastern MD)															
Diesel Range Organics (DRO)	230	620	--	ND	6.2 (j)	ND	16 (hf)	12 (j)	ND	19 (hf)	ND	6.8 (j)	13 (hf)	24 (hf)	25 (hf)	43 (hf)	9.7 (j)	ND

**Notes:** (\*\*) Arsenic set by MDE as Site-Specific Concentration

N/A = Not Laboratory Analyzed

Indicates Result At or Above MDE Residential Cleanup Standard

ND = Not Reported By Laboratory Above Reporting Limit

Maryland Department of the Environment (MDE) Cleanup Standards for

Soil and Groundwater, June 2008. Interim Final Guidance (update No.2.1).

(j) Lab Estimate Below Calibration Curve

(hf) = Heavier fuel/oil pattern observed in the sample by laboratory

mg/kg = milligrams per kilogram      µg/kg = microgram per kilogram

ppm = parts per million

ppb = part per billion

ft = feet

(1) inorganic/Mercuric Dichloride

(ul), (k), (uj), (l), (ul) see validation results

## NTCB AOC 35 (International Crane-Drill Field) VOC Sample Results

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**Notes:**

(j) Lab Estimate Below Calibration Curve

N/A = Not Laboratory Ana

ft = feet

ppb = parts per billion

ND = Not Reported By Laboratory Above Reporting Limit

Maryland Department of the Environment (MDE)

## Cleanup Standards for Soil and Groundwater,

June 2008. Interim Final Guidance (update No

a = Carcinogenic chemicals with a Mutagenic Mode of Action (MOA).

b = THM (trihalomethanes) Contaminants within this group

are disinfection by products water sometimes added to drinking

c = MTBE action level in Maryland is 20 ug/L

(l), [r], (j) see validation results

### Indicates Result Rejected By Validator

## NTCB AOC 35 (International Crane-Drill Field) VOC Sample Results

---

**Notes:**

(j) Lab Estimate Below Calibration Curve

N/A = Not Laboratory Analyzed                    ft = feet

$\mu\text{g}/\text{kg}$  = microgram

Maryland Department of the Environment (MDE)

## Cleanup Standards for Soil and Groundwater,

June 2008. Interim Final Guidance (update No.2)

a = Carcinogenic chemicals with a Mutagenic Mode

b = THM (trihalomethanes) Contaminants within this group

are disinfection by products water sometimes added to drinking

c = MTBE action level in Maryland is 20 ug/L

(l) [r] (i) see validation results

(i), (ii), (j) see validation results

## Indicates Result Rejected By Validator

NTCB AOC 35 (International Crane-Drill Field) SVOC Sample Results

**Notes:** (j) Lab Estimate Below Calibration Curve  
N/A = Not Laboratory Analyzed (u), (j), [r] see validation results  
ND = Not Reported By Laboratory Above Reporting Limit

Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater,

June 2008, Interim Final Guidance (update No. 2.1).

a ≡ Carcinogenic chemicals with a Mutagenic Mode of Action (MOA).

ppb = parts per billion                           $\mu\text{g}/\text{kg}$  = micrograms per kilogram

(\*) Other name for Di(2-ethylhexyl)adipate is Bis(2-ethylhexyl)adipate

### NTCB AOC 35 (International Crane-Drill Field) SVOC Sample Results

Date Sample Collected:			5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/18/2010	5/18/2010	5/18/2010	5/14/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010		
Sample Number			AOC-35-21	AOC-35-22	AOC-35-23	AOC-35-24	AOC-35-25	AOC-35-26	AOC-35-27	AOC-35-28	AOC-35-29	AOC-35-30	DUP-AOC-35-03 (dup of AOC-35-30)	AOC-35-31	AOC-35-32	AOC-35-33	AOC-35-34	AOC-35-35
Sample Depth			0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft		0-1 ft	0-1 ft	0-1 ft	0-1 ft	
Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		Soil	Soil	Soil	Soil	
Analyte	MDE Residential Soil Cleanup Standard (ug/kg)	MDE Non-Residential Soil Cleanup Standard (ug/kg)	SVOC Lab Results - µg/kg (or ppb)															
Acenaphthene	470,000	6,100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	470,000	6,100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	2,300,000	31,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benz[a]anthracene <sup>a</sup>	220	3,900	ND	ND	ND	ND	ND	ND	51	ND(uj)	ND	ND	82	ND	ND(uj)	ND(uj)	ND	
Benz[a]pyrene <sup>a</sup>	22	390	ND	ND	ND	ND	ND	ND	ND	ND(uj)	ND	ND	ND	ND	ND(uj)	ND(uj)	ND	
Benz[b]fluoranthene <sup>a</sup>	220	3,900	ND	ND	ND	ND	ND	ND	ND	ND(uj)	ND	ND	ND	ND	ND(uj)	ND(uj)	ND	
Benz[g,h,i]perylene	230,000	3,100,000	ND	ND	ND	ND	ND	ND	ND	ND(uj)	ND	ND	ND	ND	ND(uj)	ND(uj)	ND	
Benz[k]fluoranthene <sup>a</sup>	2,200	39,000	ND	ND	ND	ND	ND	ND	ND	ND(uj)	ND	ND	ND	ND	ND(uj)	ND(uj)	ND	
bis(2-Chloroethyl)ether	580	2,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bis(2-Chloroisopropyl)ether	9,100	41,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	46,000	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Di-n-butylphthalate	780,000	10,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbazole	32,000	140,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	31,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Choronaphthalene	630,000	8,200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	39,000	510,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene <sup>a</sup>	22,000	390,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96 (j)	ND	ND	ND	ND	
Dibenz[a,h]anthracene <sup>a</sup>	22	390	ND	ND	ND	ND	ND	ND	31(uj)	ND	ND	ND	ND	ND(uj)	ND(uj)	ND	ND	
Dibenzofuran	7,800	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	700,000	9,200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	23,000	310,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	27,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	6,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	23,000	310,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Diethylphthalate	6,300,000	82,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	160,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dinitrophenol	16,000	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dinitrotoluene	16,000	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	7,800	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	310,000	4,100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150 (j)	ND	ND	ND	ND	
Fluorene	310,000	4,100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	400	1,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	8,200	37,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	47,000	610,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachloroethane	46,000	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno[1,2,3-c,d]pyrene <sup>a</sup>	220	3,900	ND	ND	ND	ND	ND	ND	ND	ND(uj)	ND	ND	ND	ND(uj)	ND(uj)	ND	ND	
Isophorone	670,000	3,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	31,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Methylphenol	390,000	5,100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Methylphenol	39,000	510,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	160,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nitrobenzene	3,900	51,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
N-Nitrosodiphenylamine	130,000	580,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
N-Nitroso-di-n-propylamine	91	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	5,300	24,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	2,300,000	31,000,000</td																

**Attachment C**  
**Laboratory Results**

# Analytical Report for

**ARGO Systems**

**Certificate of Analysis No.: 10051707**

**Project Manager:** (b) (4)

**Project Name :** NTCB

**Project Location:** Port Deposit

**Project ID :** 1462309



**May 24, 2010**

**Phase Separation Science, Inc.**  
**6630 Baltimore National Pike**  
**Baltimore, MD 21228**  
**Phone: (410) 747-8770**  
**Fax: (410) 788-8723**

**OFFICES:**  
6630 BALTIMORE NATIONAL  
PIKE  
ROUTE 40 WEST  
BALTIMORE, MD 21228  
410-747-8770  
800-932-9047

# PHASE SEPARATION SCIENCE, INC.



May 24, 2010

(b) (4)

**ARGO Systems**

1403 Madison Park Dr., Ste. 205  
Glen Burnie, MD 21061

Reference: PSS Work Order No: **10051707**

Project Name : NTCB

Project Location: Port Deposit

Project ID.: 1462309

Dear (b) (4) :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10051707**.

All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on July 16, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

(b) (4)

Laboratory Director



# Case Narrative Summary

**Client Name: ARGO Systems**  
**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10051707**

The following samples were received under chain of custody by Phase Separation Science (PSS) on 05/17/2010 at 12:20 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
10051707-001	AOC-35-9	SOIL	05/14/2010 11:30
10051707-002	AOC-35-8	SOIL	05/14/2010 11:05
10051707-003	AOC-35-7	SOIL	05/14/2010 10:50
10051707-004	AOC-35-6	SOIL	05/14/2010 10:30
10051707-005	AOC-35-1	SOIL	05/14/2010 10:00
10051707-006	AOC-35-3	SOIL	05/14/2010 09:25
10051707-007	AOC-35-2	SOIL	05/14/2010 09:45
10051707-008	AOC-35-5	SOIL	05/14/2010 08:45
10051707-009	AOC-35-4	SOIL	05/14/2010 09:00
10051707-010	AOC-35-13	SOIL	05/14/2010 14:00
10051707-011	AOC-35-14	SOIL	05/14/2010 13:50
10051707-012	AOC-35-10	SOIL	05/14/2010 13:05
10051707-013	AOC-35-15	SOIL	05/14/2010 13:30
10051707-014	DUP AOC-35-01	SOIL	05/14/2010 00:00
10051707-015	DUP AOC-35-01a	SOIL	05/14/2010 00:00
10051707-016	AOC-14-UST-2/8-10	SOIL	05/14/2010 13:45
10051707-017	AOC-14-UST-1/8-10	SOIL	05/14/2010 14:00
10051707-018	AOC-14-2/2-4	SOIL	05/14/2010 14:30
10051707-019	AOC-14-1/0-2	SOIL	05/14/2010 14:00
10051707-020	AOC-14-1/2-4	SOIL	05/14/2010 14:00
10051707-021	AOC-14-2/0-2	SOIL	05/14/2010 14:30
10051707-022	R-65/2-4	SOIL	05/06/2010 09:15
10051707-023	EB-9	WATER	05/14/2010 00:00
10051707-024	EB-10	WATER	05/14/2010 00:00

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

#### Narrative Comments:

Terphenyl-d14 fell below 50% in the following samples:  
001,004,005,009,010,012,014,018,019.

Chrysene-d12 fell below 50% in the following samples:  
004,009,018.

#### Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].



# Case Narrative Summary

**Client Name: ARGO Systems**

**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10051707**

**Standard Flags/Abbreviations:**

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

**OFFICES:**  
6630 BALTIMORE NATIONAL PIKE  
ROUTE 40 WEST  
BALTIMORE, MD 21228  
410-747-8770  
800-932-9047  
FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-9</b>	<b>Date/Time Sampled: 05/14/2010 11:30</b>		<b>PSS Sample ID: 10051707-001</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 73</b>					
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C		Preparation Method: SW846 3550					
<i>HF - Heavier fuel/oil pattern observed in sample.</i>								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	32 mg/kg	14	HF	1	6.8	05/20/10	05/20/10 17:31	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C		Preparation Method: SW846 5035A					
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	200		1	99	05/18/10	05/18/10 11:55	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-9	Date/Time Sampled: 05/14/2010 11:30				PSS Sample ID: 10051707-001				
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20				% Solids: 73				
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chloromethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Vinyl Chloride	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Bromomethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Chloroethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Acetone	30	ug/kg	32	J	1	16	05/18/10	05/18/10 17:41	1011
1,1-Dichloroethene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Methylene Chloride	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
trans-1,2-Dichloroethene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Methyl-t-butyl ether	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,1-Dichloroethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
2-Butanone	ND	ug/kg	32		1	16	05/18/10	05/18/10 17:41	1011
cis-1,2-Dichloroethene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Chloroform	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,1,1-Trichloroethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,2-Dichloroethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Carbon Tetrachloride	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Benzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,2-Dichloropropane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Carbon Disulfide	ND	ug/kg	16		1	8.1	05/18/10	05/18/10 17:41	1011
Trichloroethene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Bromodichloromethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
cis-1,3-Dichloropropene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
4-Methyl-2-Pentanone	ND	ug/kg	32		1	16	05/18/10	05/18/10 17:41	1011
trans-1,3-Dichloropropene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,1,2-Trichloroethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Toluene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,2-Dibromoethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Dibromochloromethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Bromoform	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Tetrachloroethene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-9</b>	<b>Date/Time Sampled: 05/14/2010 11:30</b>			<b>PSS Sample ID: 10051707-001</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>			<b>% Solids: 73</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Ethylbenzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
m,p-Xylenes	ND	ug/kg	16		1	8.1	05/18/10	05/18/10 17:41	1011
Styrene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,1,2,2-Tetrachloroethane	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
o-Xylene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
Isopropylbenzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
n-Propylbenzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,3,5-Trimethylbenzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,2,4-Trimethylbenzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
n-Butylbenzene	ND	ug/kg	8		1	4	05/18/10	05/18/10 17:41	1011
1,2-Dibromo-3-Chloropropane	ND	ug/kg	65		1	32	05/18/10	05/18/10 17:41	1011

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## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-9	Date/Time Sampled: 05/14/2010 11:30			PSS Sample ID: 10051707-001					
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20			% Solids: 73					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Acenaphthylene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Anthracene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Benzo(a)anthracene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Benzo(a)pyrene	ND	ug/kg	32	1	32	05/20/10	05/21/10 02:25	1014	
Benzo(b)fluoranthene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Benzo(g,h,i)perylene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Benzo(k)fluoranthene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
bis(2-chloroethyl) ether	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Di-n-butyl phthalate	ND	ug/kg	460	1	230	05/20/10	05/21/10 02:25	1014	
Carbazole	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
4-Chloroaniline	ND	ug/kg	460	1	230	05/20/10	05/21/10 02:25	1014	
2-Chloronaphthalene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2-Chlorophenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Chrysene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	32	1	32	05/20/10	05/21/10 02:25	1014	
Dibenzofuran	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
1,2-Dichlorobenzene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
1,3-Dichlorobenzene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
1,4-Dichlorobenzene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
3,3-Dichlorobenzidine	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2,4-Dichlorophenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Diethyl phthalate	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2,4-Dimethylphenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2,4-Dinitrophenol	ND	ug/kg	460	1	230	05/20/10	05/21/10 02:25	1014	
2,4-Dinitrotoluene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2,6-Dinitrotoluene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Fluoranthene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-9</b>	<b>Date/Time Sampled: 05/14/2010 11:30</b>		<b>PSS Sample ID: 10051707-001</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 73</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Hexachlorobenzene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Hexachlorobutadiene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Hexachlorocyclopentadiene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Hexachloroethane	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Isophorone	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2-Methylnaphthalene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2-Methyl phenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
3&4-Methylphenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Naphthalene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Nitrobenzene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	91	1	46	05/20/10	05/21/10 02:25	1014	
N-Nitrosodiphenylamine	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Pentachlorophenol	ND	ug/kg	460	1	230	05/20/10	05/21/10 02:25	1014	
Phenanthrene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Phenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Pyrene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2,4,6-Trichlorophenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	
2,4,5-Trichlorophenol	ND	ug/kg	230	1	110	05/20/10	05/21/10 02:25	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-8</b>	<b>Date/Time Sampled: 05/14/2010 11:05</b>		<b>PSS Sample ID: 10051707-002</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>						<b>% Solids: 86</b>	
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C						Preparation Method: SW846 3550	
<i>HF - Heavier fuel/oil pattern observed in sample.</i>								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	6.4 mg/kg	12	J	1	5.8	05/20/10	05/20/10 19:18	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C						Preparation Method: SW846 5035A	
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	110		1	53	05/18/10	05/18/10 12:25	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-8</b>	<b>Date/Time Sampled: 05/14/2010 11:05</b>		<b>PSS Sample ID: 10051707-002</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 86</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Vinyl Chloride	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Bromomethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Chloroethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Acetone	<b>19</b>	ug/kg	22	J	1	11	05/18/10	05/18/10 18:10	1011
1,1-Dichloroethene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Methylene Chloride	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
trans-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Methyl-t-butyl ether	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
1,1-Dichloroethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
2-Butanone	ND	ug/kg	22		1	11	05/18/10	05/18/10 18:10	1011
cis-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Chloroform	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
1,1,1-Trichloroethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
1,2-Dichloroethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Carbon Tetrachloride	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Benzene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
1,2-Dichloropropane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Carbon Disulfide	ND	ug/kg	11		1	5.4	05/18/10	05/18/10 18:10	1011
Trichloroethene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Bromodichloromethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
cis-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
4-Methyl-2-Pentanone	ND	ug/kg	22		1	11	05/18/10	05/18/10 18:10	1011
trans-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
1,1,2-Trichloroethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Toluene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
1,2-Dibromoethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Dibromochloromethane	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Bromoform	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011
Tetrachloroethene	ND	ug/kg	5		1	2.7	05/18/10	05/18/10 18:10	1011

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**800-932-9047**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-8</b>	<b>Date/Time Sampled: 05/14/2010 11:05</b>		<b>PSS Sample ID: 10051707-002</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 86</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
Ethylbenzene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.4	05/18/10	05/18/10 18:10	1011	
Styrene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
o-Xylene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.7	05/18/10	05/18/10 18:10	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	43	1	22	05/18/10	05/18/10 18:10	1011	

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**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-8	Date/Time Sampled: 05/14/2010 11:05			PSS Sample ID: 10051707-002					
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20			% Solids: 86					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Acenaphthylene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Anthracene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Benzo(a)anthracene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Benzo(a)pyrene	ND	ug/kg	27	1	27	05/20/10	05/20/10 23:31	1014	
Benzo(b)fluoranthene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Benzo(g,h,i)perylene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Benzo(k)fluoranthene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
bis(2-chloroethyl) ether	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	190	05/20/10	05/20/10 23:31	1014	
Carbazole	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
4-Chloroaniline	ND	ug/kg	390	1	190	05/20/10	05/20/10 23:31	1014	
2-Chloronaphthalene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2-Chlorophenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Chrysene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	27	1	27	05/20/10	05/20/10 23:31	1014	
Dibenzofuran	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
1,2-Dichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
1,3-Dichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
1,4-Dichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
3,3-Dichlorobenzidine	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2,4-Dichlorophenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Diethyl phthalate	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2,4-Dimethylphenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	190	05/20/10	05/20/10 23:31	1014	
2,4-Dinitrotoluene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2,6-Dinitrotoluene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Fluoranthene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	

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**6630 BALTIMORE NATIONAL PIKE**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-8</b>	<b>Date/Time Sampled: 05/14/2010 11:05</b>		<b>PSS Sample ID: 10051707-002</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 86</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Hexachlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Hexachlorobutadiene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Hexachlorocyclopentadiene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Hexachloroethane	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Isophorone	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2-Methylnaphthalene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2-Methyl phenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
3&4-Methylphenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Naphthalene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Nitrobenzene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	77	1	39	05/20/10	05/20/10 23:31	1014	
N-Nitrosodiphenylamine	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Pentachlorophenol	ND	ug/kg	390	1	190	05/20/10	05/20/10 23:31	1014	
Phenanthrene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Phenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Pyrene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2,4,6-Trichlorophenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	
2,4,5-Trichlorophenol	ND	ug/kg	190	1	97	05/20/10	05/20/10 23:31	1014	

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6630 BALTIMORE NATIONAL PIKE  
ROUTE 40 WEST  
BALTIMORE, MD 21228  
410-747-8770  
800-932-9047  
FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-7</b>	<b>Date/Time Sampled: 05/14/2010 10:50</b>		<b>PSS Sample ID: 10051707-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	5.9	05/20/10	05/20/10 16:48	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	110		1	56	05/18/10	05/18/10 12:55	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-7	Date/Time Sampled: 05/14/2010 10:50			PSS Sample ID: 10051707-003					
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20			% Solids: 84					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chloromethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Vinyl Chloride	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Bromomethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Chloroethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Acetone	91	ug/kg	22	1	11	05/18/10	05/18/10 18:39	1011	
1,1-Dichloroethene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Methylene Chloride	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
trans-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Methyl-t-butyl ether	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,1-Dichloroethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
2-Butanone	ND	ug/kg	22	1	11	05/18/10	05/18/10 18:39	1011	
cis-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Chloroform	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,1,1-Trichloroethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,2-Dichloroethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Carbon Tetrachloride	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Benzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,2-Dichloropropane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Carbon Disulfide	ND	ug/kg	11	1	5.5	05/18/10	05/18/10 18:39	1011	
Trichloroethene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Bromodichloromethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
cis-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
4-Methyl-2-Pentanone	ND	ug/kg	22	1	11	05/18/10	05/18/10 18:39	1011	
trans-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,1,2-Trichloroethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Toluene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,2-Dibromoethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Dibromochloromethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Bromoform	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Tetrachloroethene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	

**OFFICES:**  
**6630 BALTIMORE NATIONAL PIKE**  
**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-7</b>	<b>Date/Time Sampled: 05/14/2010 10:50</b>		<b>PSS Sample ID: 10051707-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Ethylbenzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.5	05/18/10	05/18/10 18:39	1011	
Styrene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
o-Xylene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
Isopropylbenzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
n-Propylbenzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
n-Butylbenzene	ND	ug/kg	6	1	2.8	05/18/10	05/18/10 18:39	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	44	1	22	05/18/10	05/18/10 18:39	1011	

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## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-7	Date/Time Sampled: 05/14/2010 10:50				PSS Sample ID: 10051707-003				
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20				% Solids: 84				
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Anthracene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/21/10 00:00	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:00	1014	
Carbazole	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:00	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Chrysene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/21/10 00:00	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:00	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-7</b>	<b>Date/Time Sampled: 05/14/2010 10:50</b>		<b>PSS Sample ID: 10051707-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Isophorone	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Naphthalene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	40	05/20/10	05/21/10 00:00	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:00	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Phenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Pyrene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 00:00	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-6</b>	Date/Time Sampled: 05/14/2010 10:30	PSS Sample ID: 10051707-004
<b>Matrix: SOIL</b>	Date/Time Received: 05/17/2010 12:20	% Solids: 89
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
TPH-DRO (Diesel Range Organics)	Result: 120 Units: mg/kg RL: 55 Flag: HF Dil: 5 LOD: 28	Prepared: 05/20/10 Analyzed: 05/20/10 19:18 Analyst: 1040
HF - Heavier fuel/oil pattern observed in sample.		
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
TPH-GRO (Gasoline Range Organics)	Result: 69 Units: ug/kg RL: 98 Flag: J Dil: 1 LOD: 49	Prepared: 05/18/10 Analyzed: 05/18/10 13:25 Analyst: 1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-6</b>	<b>Date/Time Sampled: 05/14/2010 10:30</b>			<b>PSS Sample ID: 10051707-004</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>			<b>% Solids: 89</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Vinyl Chloride	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Bromomethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Chloroethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Acetone	<b>44</b>	ug/kg	17	1	8.3	05/18/10	05/18/10 19:08	1011	
1,1-Dichloroethene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Methylene Chloride	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
trans-1,2-Dichloroethene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Methyl-t-butyl ether	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,1-Dichloroethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
2-Butanone	ND	ug/kg	17	1	8.3	05/18/10	05/18/10 19:08	1011	
cis-1,2-Dichloroethene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Chloroform	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,1,1-Trichloroethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,2-Dichloroethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Carbon Tetrachloride	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Benzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,2-Dichloropropane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Carbon Disulfide	ND	ug/kg	8	1	4.1	05/18/10	05/18/10 19:08	1011	
Trichloroethene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Bromodichloromethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
cis-1,3-Dichloropropene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
4-Methyl-2-Pentanone	ND	ug/kg	17	1	8.3	05/18/10	05/18/10 19:08	1011	
trans-1,3-Dichloropropene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,1,2-Trichloroethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Toluene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,2-Dibromoethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Dibromochloromethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Bromoform	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Tetrachloroethene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-6</b>	<b>Date/Time Sampled: 05/14/2010 10:30</b>		<b>PSS Sample ID: 10051707-004</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 89</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Ethylbenzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
m,p-Xylenes	ND	ug/kg	8	1	4.1	05/18/10	05/18/10 19:08	1011	
Styrene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
o-Xylene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
Isopropylbenzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
n-Propylbenzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
n-Butylbenzene	ND	ug/kg	4	1	2.1	05/18/10	05/18/10 19:08	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	33	1	17	05/18/10	05/18/10 19:08	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-6	Date/Time Sampled: 05/14/2010 10:30				PSS Sample ID: 10051707-004				
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20				% Solids: 89				
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Acenaphthylene	<b>200</b>	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Anthracene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Benzo(a)anthracene	<b>1,400</b>	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Benzo(a)pyrene	<b>1,900</b>	ug/kg	26		1	26	05/20/10	05/21/10 10:37	1014
Benzo(b)fluoranthene	<b>2,200</b>	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Benzo(g,h,i)perylene	<b>1,300</b>	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Benzo(k)fluoranthene	<b>1,300</b>	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
bis(2-chloroethyl) ether	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Di-n-butyl phthalate	ND	ug/kg	370		1	190	05/20/10	05/21/10 10:37	1014
Carbazole	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
4-Chloroaniline	ND	ug/kg	370		1	190	05/20/10	05/21/10 10:37	1014
2-Chloronaphthalene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
2-Chlorophenol	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Chrysene	<b>1,400</b>	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Dibenz(a,h)Anthracene	<b>250</b>	ug/kg	26		1	26	05/20/10	05/21/10 10:37	1014
Dibenzofuran	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
1,2-Dichlorobenzene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
1,3-Dichlorobenzene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
1,4-Dichlorobenzene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
3,3-Dichlorobenzidine	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
2,4-Dichlorophenol	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Diethyl phthalate	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
2,4-Dimethylphenol	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
2,4-Dinitrophenol	ND	ug/kg	370		1	190	05/20/10	05/21/10 10:37	1014
2,4-Dinitrotoluene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
2,6-Dinitrotoluene	ND	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014
Fluoranthene	<b>1,100</b>	ug/kg	190		1	93	05/20/10	05/21/10 10:37	1014

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-6</b>	<b>Date/Time Sampled: 05/14/2010 10:30</b>		<b>PSS Sample ID: 10051707-004</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 89</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Hexachlorobenzene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Hexachlorobutadiene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Hexachlorocyclopentadiene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Hexachloroethane	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Indeno(1,2,3-c,d)Pyrene	<b>1,500</b>	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Isophorone	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
2-Methylnaphthalene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
2-Methyl phenol	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
3&4-Methylphenol	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Naphthalene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Nitrobenzene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	75	1	37	05/20/10	05/21/10 10:37	1014	
N-Nitrosodiphenylamine	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Pentachlorophenol	ND	ug/kg	370	1	190	05/20/10	05/21/10 10:37	1014	
Phenanthrene	<b>250</b>	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Phenol	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Pyrene	<b>2,500</b>	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
2,4,6-Trichlorophenol	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	
2,4,5-Trichlorophenol	ND	ug/kg	190	1	93	05/20/10	05/21/10 10:37	1014	

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BALTIMORE, MD 21228  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-1</b>	<b>Date/Time Sampled: 05/14/2010 10:00</b>		<b>PSS Sample ID: 10051707-005</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 86</b>						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	11		1	5.7	05/20/10	05/20/10 17:31	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	99		1	50	05/18/10	05/18/10 13:55	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-1	Date/Time Sampled: 05/14/2010 10:00				PSS Sample ID: 10051707-005				
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20				% Solids: 86				
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chloromethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Vinyl Chloride	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Bromomethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Chloroethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Acetone	ND	ug/kg	20	1	9.8	05/19/10	05/19/10 13:34	1011	
1,1-Dichloroethene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Methylene Chloride	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Methyl-t-butyl ether	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,1-Dichloroethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
2-Butanone	ND	ug/kg	20	1	9.8	05/19/10	05/19/10 13:34	1011	
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Chloroform	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,2-Dichloroethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Carbon Tetrachloride	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Benzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,2-Dichloropropane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Carbon Disulfide	ND	ug/kg	10	1	4.9	05/19/10	05/19/10 13:34	1011	
Trichloroethene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Bromodichloromethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
4-Methyl-2-Pentanone	ND	ug/kg	20	1	9.8	05/19/10	05/19/10 13:34	1011	
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Toluene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,2-Dibromoethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Dibromochloromethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Bromoform	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Tetrachloroethene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-1</b>	<b>Date/Time Sampled: 05/14/2010 10:00</b>			<b>PSS Sample ID: 10051707-005</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>			<b>% Solids: 86</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
m,p-Xylenes	ND	ug/kg	10	1	4.9	05/19/10	05/19/10 13:34	1011	
Styrene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 13:34	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	39	1	20	05/19/10	05/19/10 13:34	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-1	Date/Time Sampled: 05/14/2010 10:00				PSS Sample ID: 10051707-005				
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20				% Solids: 86				
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Acenaphthylene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Anthracene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Benzo(a)anthracene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Benzo(a)pyrene	ND	ug/kg	27	1	27	05/20/10	05/21/10 01:56	1014	
Benzo(b)fluoranthene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Benzo(g,h,i)perylene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Benzo(k)fluoranthene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
bis(2-chloroethyl) ether	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	190	05/20/10	05/21/10 01:56	1014	
Carbazole	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
4-Chloroaniline	ND	ug/kg	390	1	190	05/20/10	05/21/10 01:56	1014	
2-Chloronaphthalene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2-Chlorophenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Chrysene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	27	1	27	05/20/10	05/21/10 01:56	1014	
Dibenzofuran	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
1,2-Dichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
1,3-Dichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
1,4-Dichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
3,3-Dichlorobenzidine	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2,4-Dichlorophenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Diethyl phthalate	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2,4-Dimethylphenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	190	05/20/10	05/21/10 01:56	1014	
2,4-Dinitrotoluene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2,6-Dinitrotoluene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Fluoranthene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-1</b>	<b>Date/Time Sampled: 05/14/2010 10:00</b>		<b>PSS Sample ID: 10051707-005</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 86</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Hexachlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Hexachlorobutadiene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Hexachlorocyclopentadiene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Hexachloroethane	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Isophorone	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2-Methylnaphthalene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2-Methyl phenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
3&4-Methylphenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Naphthalene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Nitrobenzene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	77	1	39	05/20/10	05/21/10 01:56	1014	
N-Nitrosodiphenylamine	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Pentachlorophenol	ND	ug/kg	390	1	190	05/20/10	05/21/10 01:56	1014	
Phenanthrene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Phenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Pyrene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2,4,6-Trichlorophenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	
2,4,5-Trichlorophenol	ND	ug/kg	190	1	97	05/20/10	05/21/10 01:56	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-3</b>	<b>Date/Time Sampled: 05/14/2010 09:25</b>		<b>PSS Sample ID: 10051707-006</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>						<b>% Solids: 82</b>	
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C						Preparation Method: SW846 3550	
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	21 mg/kg	12	HF	1	6.1	05/20/10	05/20/10 17:52	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C						Preparation Method: SW846 5035A	
TPH-GRO (Gasoline Range Organics)	ND ug/kg	98		1	49	05/18/10	05/18/10 14:25	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-3</b>	<b>Date/Time Sampled: 05/14/2010 09:25</b>		<b>PSS Sample ID: 10051707-006</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 82</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Vinyl Chloride	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Bromomethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Chloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Acetone	<b>16</b>	ug/kg	21	J	1	11	05/19/10	05/19/10 14:03	1011
1,1-Dichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Methylene Chloride	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
trans-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Methyl-t-butyl ether	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
1,1-Dichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
2-Butanone	ND	ug/kg	21		1	11	05/19/10	05/19/10 14:03	1011
cis-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Chloroform	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
1,1,1-Trichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
1,2-Dichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Carbon Tetrachloride	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Benzene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
1,2-Dichloropropane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Carbon Disulfide	ND	ug/kg	11		1	5.3	05/19/10	05/19/10 14:03	1011
Trichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Bromodichloromethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
cis-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
4-Methyl-2-Pentanone	ND	ug/kg	21		1	11	05/19/10	05/19/10 14:03	1011
trans-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
1,1,2-Trichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Toluene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
1,2-Dibromoethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Dibromochloromethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Bromoform	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011
Tetrachloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 14:03	1011

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**800-932-9047**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-3</b>	<b>Date/Time Sampled: 05/14/2010 09:25</b>		<b>PSS Sample ID: 10051707-006</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 82</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
Ethylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.3	05/19/10	05/19/10 14:03	1011	
Styrene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
o-Xylene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 14:03	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	43	1	21	05/19/10	05/19/10 14:03	1011	

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## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-3	Date/Time Sampled: 05/14/2010 09:25		PSS Sample ID: 10051707-006						
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20		% Solids: 82						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/21/10 01:27	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/21/10 01:27	1014	
Carbazole	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/21/10 01:27	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Chrysene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/21/10 01:27	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 01:27	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-3</b>	<b>Date/Time Sampled: 05/14/2010 09:25</b>		<b>PSS Sample ID: 10051707-006</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 82</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Isophorone	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Naphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	81	1	40	05/20/10	05/21/10 01:27	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 01:27	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 01:27	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-2</b>	<b>Date/Time Sampled: 05/14/2010 09:45</b>		<b>PSS Sample ID: 10051707-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	5.9	05/20/10	05/20/10 17:09	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	110		1	54	05/18/10	05/18/10 14:55	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-2</b>	<b>Date/Time Sampled: 05/14/2010 09:45</b>		<b>PSS Sample ID: 10051707-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Vinyl Chloride	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Bromomethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Chloroethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Acetone	14	ug/kg	25	J	1	13	05/19/10	05/19/10 14:32	1011
1,1-Dichloroethene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Methylene Chloride	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Methyl-t-butyl ether	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
1,1-Dichloroethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
2-Butanone	ND	ug/kg	25		1	13	05/19/10	05/19/10 14:32	1011
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Chloroform	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
1,1,1-Trichloroethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
1,2-Dichloroethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Carbon Tetrachloride	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Benzene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
1,2-Dichloropropane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Carbon Disulfide	ND	ug/kg	13		1	6.3	05/19/10	05/19/10 14:32	1011
Trichloroethene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Bromodichloromethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
4-Methyl-2-Pentanone	ND	ug/kg	25		1	13	05/19/10	05/19/10 14:32	1011
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
1,1,2-Trichloroethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Toluene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
1,2-Dibromoethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Dibromochloromethane	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Bromoform	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011
Tetrachloroethene	ND	ug/kg	6		1	3.1	05/19/10	05/19/10 14:32	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-2</b>	<b>Date/Time Sampled: 05/14/2010 09:45</b>		<b>PSS Sample ID: 10051707-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
Ethylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.3	05/19/10	05/19/10 14:32	1011	
Styrene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
o-Xylene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
Isopropylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
n-Propylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
n-Butylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 14:32	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	50	1	25	05/19/10	05/19/10 14:32	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-2	Date/Time Sampled: 05/14/2010 09:45			PSS Sample ID: 10051707-007					
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20			% Solids: 84					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/20/10 23:02	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	200	05/20/10	05/20/10 23:02	1014	
Carbazole	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
4-Chloroaniline	ND	ug/kg	390	1	200	05/20/10	05/20/10 23:02	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Chrysene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 23:02	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	200	05/20/10	05/20/10 23:02	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-2</b>	<b>Date/Time Sampled: 05/14/2010 09:45</b>		<b>PSS Sample ID: 10051707-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Isophorone	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Naphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	39	05/20/10	05/20/10 23:02	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Pentachlorophenol	ND	ug/kg	390	1	200	05/20/10	05/20/10 23:02	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 23:02	1014	

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**800-932-9047**  
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# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-5</b>	<b>Date/Time Sampled: 05/14/2010 08:45</b>		<b>PSS Sample ID: 10051707-008</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 85</b>						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
TPH-DRO (Diesel Range Organics)	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
	ND	mg/kg	12		1	5.9	05/20/10	05/20/10 15:21	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
TPH-GRO (Gasoline Range Organics)	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
	<b>99</b>	ug/kg	84		1	42	05/18/10	05/18/10 15:26	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-5	Date/Time Sampled: 05/14/2010 08:45				PSS Sample ID: 10051707-008				
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20				% Solids: 85				
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chloromethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Vinyl Chloride	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Bromomethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Chloroethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Acetone	25	ug/kg	19	1	9.7	05/19/10	05/19/10 15:01	1011	
1,1-Dichloroethene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Methylene Chloride	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Methyl-t-butyl ether	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,1-Dichloroethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
2-Butanone	ND	ug/kg	19	1	9.7	05/19/10	05/19/10 15:01	1011	
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Chloroform	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,2-Dichloroethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Carbon Tetrachloride	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Benzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,2-Dichloropropane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Carbon Disulfide	ND	ug/kg	10	1	4.8	05/19/10	05/19/10 15:01	1011	
Trichloroethene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Bromodichloromethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
4-Methyl-2-Pentanone	ND	ug/kg	19	1	9.7	05/19/10	05/19/10 15:01	1011	
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Toluene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,2-Dibromoethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Dibromochloromethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Bromoform	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Tetrachloroethene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-5</b>	<b>Date/Time Sampled: 05/14/2010 08:45</b>		<b>PSS Sample ID: 10051707-008</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 85</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Ethylbenzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
m,p-Xylenes	ND	ug/kg	10	1	4.8	05/19/10	05/19/10 15:01	1011	
Styrene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
o-Xylene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.4	05/19/10	05/19/10 15:01	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	39	1	19	05/19/10	05/19/10 15:01	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-5	Date/Time Sampled: 05/14/2010 08:45				PSS Sample ID: 10051707-008				
Matrix: SOIL	Date/Time Received: 05/17/2010 12:20				% Solids: 85				
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Acenaphthylene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Anthracene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Benzo(a)pyrene	ND	ug/kg	27	1	27	05/20/10	05/20/10 21:06	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	200	05/20/10	05/20/10 21:06	1014	
Carbazole	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
4-Chloroaniline	ND	ug/kg	390	1	200	05/20/10	05/20/10 21:06	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2-Chlorophenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Chrysene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	27	1	27	05/20/10	05/20/10 21:06	1014	
Dibenzofuran	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Diethyl phthalate	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	200	05/20/10	05/20/10 21:06	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Fluoranthene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	

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**410-747-8770**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-5</b>	<b>Date/Time Sampled: 05/14/2010 08:45</b>		<b>PSS Sample ID: 10051707-008</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 85</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Hexachlorobenzene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Hexachloroethane	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Isophorone	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2-Methyl phenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
3&4-Methylphenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Naphthalene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Nitrobenzene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	78	1	39	05/20/10	05/20/10 21:06	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Pentachlorophenol	ND	ug/kg	390	1	200	05/20/10	05/20/10 21:06	1014	
Phenanthrene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Phenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Pyrene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	98	05/20/10	05/20/10 21:06	1014	

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-4</b>	<b>Date/Time Sampled: 05/14/2010 09:00</b>		<b>PSS Sample ID: 10051707-009</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 81</b>					
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C		Preparation Method: SW846 3550					
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	26 mg/kg	12	HF	1	6.2	05/20/10	05/20/10 16:48	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C		Preparation Method: SW846 5035A					
TPH-GRO (Gasoline Range Organics)	52 ug/kg	99	J	1	49	05/18/10	05/18/10 15:55	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-4</b>		<b>Date/Time Sampled: 05/14/2010 09:00</b>			<b>PSS Sample ID: 10051707-009</b>				
<b>Matrix: SOIL</b>		<b>Date/Time Received: 05/17/2010 12:20</b>			<b>% Solids: 81</b>				
VCP Volatile Organic Compounds		Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
		<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Vinyl Chloride		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Bromomethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Chloroethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Acetone		<b>59</b>	ug/kg	20		1	10	05/19/10	05/19/10 15:29
1,1-Dichloroethene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Methylene Chloride		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
trans-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Methyl-t-butyl ether		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
1,1-Dichloroethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
2-Butanone		ND	ug/kg	20		1	10	05/19/10	05/19/10 15:29
cis-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Chloroform		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
1,1,1-Trichloroethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
1,2-Dichloroethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Carbon Tetrachloride		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Benzene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
1,2-Dichloropropane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Carbon Disulfide		ND	ug/kg	10		1	5.1	05/19/10	05/19/10 15:29
Trichloroethene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Bromodichloromethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
cis-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
4-Methyl-2-Pentanone		ND	ug/kg	20		1	10	05/19/10	05/19/10 15:29
trans-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
1,1,2-Trichloroethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Toluene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
1,2-Dibromoethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Dibromochloromethane		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Bromoform		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29
Tetrachloroethene		ND	ug/kg	5		1	2.5	05/19/10	05/19/10 15:29

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# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-4</b>	<b>Date/Time Sampled: 05/14/2010 09:00</b>			<b>PSS Sample ID: 10051707-009</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>			<b>% Solids: 81</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
m,p-Xylenes	ND	ug/kg	10	1	5.1	05/19/10	05/19/10 15:29	1011	
Styrene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/19/10	05/19/10 15:29	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	41	1	20	05/19/10	05/19/10 15:29	1011	

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No: 10051707

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May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-4</b>	<b>Date/Time Sampled: 05/14/2010 09:00</b>		<b>PSS Sample ID: 10051707-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 81</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Benzo(a)pyrene	ND	ug/kg	29	1	29	05/20/10	05/21/10 11:35	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Di-n-butyl phthalate	ND	ug/kg	410	1	200	05/20/10	05/21/10 11:35	1014	
Carbazole	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
4-Chloroaniline	ND	ug/kg	410	1	200	05/20/10	05/21/10 11:35	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Chrysene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	29	1	29	05/20/10	05/21/10 11:35	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2,4-Dinitrophenol	ND	ug/kg	410	1	200	05/20/10	05/21/10 11:35	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-4</b>	<b>Date/Time Sampled: 05/14/2010 09:00</b>		<b>PSS Sample ID: 10051707-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 81</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Isophorone	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Naphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	82	1	41	05/20/10	05/21/10 11:35	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Pentachlorophenol	ND	ug/kg	410	1	200	05/20/10	05/21/10 11:35	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 11:35	1014	

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6630 BALTIMORE NATIONAL PIKE  
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BALTIMORE, MD 21228  
410-747-8770  
800-932-9047  
FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-13</b>	<b>Date/Time Sampled: 05/14/2010 14:00</b>		<b>PSS Sample ID: 10051707-010</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>					
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C		Preparation Method: SW846 3550					
<i>HF - Heavier fuel/oil pattern observed in sample.</i>								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	16 mg/kg	12	HF	1	5.9	05/20/10	05/20/10 17:52	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C		Preparation Method: SW846 5035A					
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	92		1	46	05/18/10	05/18/10 16:25	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-13</b>	<b>Date/Time Sampled: 05/14/2010 14:00</b>			<b>PSS Sample ID: 10051707-010</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 84</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Vinyl Chloride	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Bromomethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Chloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Acetone	<b>52</b>	ug/kg	20	1	10	05/20/10	05/20/10 11:55	1011
1,1-Dichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Methylene Chloride	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Methyl-t-butyl ether	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
1,1-Dichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
2-Butanone	ND	ug/kg	20	1	10	05/20/10	05/20/10 11:55	1011
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Chloroform	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
1,2-Dichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Carbon Tetrachloride	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Benzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
1,2-Dichloropropane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Carbon Disulfide	ND	ug/kg	10	1	5	05/20/10	05/20/10 11:55	1011
Trichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Bromodichloromethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
4-Methyl-2-Pentanone	ND	ug/kg	20	1	10	05/20/10	05/20/10 11:55	1011
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Toluene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
1,2-Dibromoethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Dibromochloromethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Bromoform	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011
Tetrachloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011

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**410-747-8770**  
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**FAX 410-788-8723**

# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-13</b>	<b>Date/Time Sampled: 05/14/2010 14:00</b>			<b>PSS Sample ID: 10051707-010</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>			<b>% Solids: 84</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
m,p-Xylenes	ND	ug/kg	10	1	5	05/20/10	05/20/10 11:55	1011	
Styrene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/20/10 11:55	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	40	1	20	05/20/10	05/20/10 11:55	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-13</b>	<b>Date/Time Sampled: 05/14/2010 14:00</b>		<b>PSS Sample ID: 10051707-010</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Anthracene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/21/10 02:54	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/21/10 02:54	1014	
Carbazole	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/21/10 02:54	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Chrysene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/21/10 02:54	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 02:54	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	

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**800-932-9047**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-13</b>	<b>Date/Time Sampled: 05/14/2010 14:00</b>			<b>PSS Sample ID: 10051707-010</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>			<b>% Solids: 84</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Isophorone	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Naphthalene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	40	05/20/10	05/21/10 02:54	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 02:54	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Phenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Pyrene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/21/10 02:54	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-14</b>	<b>Date/Time Sampled: 05/14/2010 13:50</b>		<b>PSS Sample ID: 10051707-011</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 83</b>					
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C		Preparation Method: SW846 3550					
<i>HF - Heavier fuel/oil pattern observed in sample.</i>								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	9.2 mg/kg	12	J	1	6	05/20/10	05/20/10 18:35	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C		Preparation Method: SW846 5035A					
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	120		1	59	05/18/10	05/18/10 16:55	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-14</b>	<b>Date/Time Sampled: 05/14/2010 13:50</b>		<b>PSS Sample ID: 10051707-011</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 83</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Vinyl Chloride	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Bromomethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Chloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Acetone	<b>20</b>	ug/kg	22	J	1	11	05/19/10	05/19/10 16:27	1011
1,1-Dichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Methylene Chloride	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
trans-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Methyl-t-butyl ether	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
1,1-Dichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
2-Butanone	ND	ug/kg	22		1	11	05/19/10	05/19/10 16:27	1011
cis-1,2-Dichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Chloroform	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
1,1,1-Trichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
1,2-Dichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Carbon Tetrachloride	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Benzene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
1,2-Dichloropropane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Carbon Disulfide	ND	ug/kg	11		1	5.4	05/19/10	05/19/10 16:27	1011
Trichloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Bromodichloromethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
cis-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
4-Methyl-2-Pentanone	ND	ug/kg	22		1	11	05/19/10	05/19/10 16:27	1011
trans-1,3-Dichloropropene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
1,1,2-Trichloroethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Toluene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
1,2-Dibromoethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Dibromochloromethane	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Bromoform	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011
Tetrachloroethene	ND	ug/kg	5		1	2.7	05/19/10	05/19/10 16:27	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-14</b>	<b>Date/Time Sampled: 05/14/2010 13:50</b>		<b>PSS Sample ID: 10051707-011</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 83</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
Ethylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.4	05/19/10	05/19/10 16:27	1011	
Styrene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
o-Xylene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.7	05/19/10	05/19/10 16:27	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	43	1	22	05/19/10	05/19/10 16:27	1011	

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## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-14</b>	<b>Date/Time Sampled: 05/14/2010 13:50</b>		<b>PSS Sample ID: 10051707-011</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/21/10 00:29	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:29	1014	
Carbazole	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:29	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Chrysene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/21/10 00:29	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:29	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-14</b>	<b>Date/Time Sampled: 05/14/2010 13:50</b>		<b>PSS Sample ID: 10051707-011</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Isophorone	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Naphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	80	1	40	05/20/10	05/21/10 00:29	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:29	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:29	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-10</b>	<b>Date/Time Sampled: 05/14/2010 13:05</b>	<b>PSS Sample ID: 10051707-012</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>	<b>% Solids: 79</b>

Total Petroleum Hydrocarbons - DRO      Analytical Method: SW846 8015C      Preparation Method: SW846 3550

*HF - Heavier fuel/oil pattern observed in sample.*

	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	<b>18</b>	mg/kg	13	HF	1	6.3	05/20/10	05/20/10 18:35	1040

Total Petroleum Hydrocarbons-GRO      Analytical Method: SW846 8015C      Preparation Method: SW846 5035A

	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	130		1	65	05/18/10	05/18/10 17:25	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-10</b>	<b>Date/Time Sampled: 05/14/2010 13:05</b>			<b>PSS Sample ID: 10051707-012</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 79</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Vinyl Chloride	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Bromomethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Chloroethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Acetone	<b>66</b>	ug/kg	25	1	13	05/19/10	05/19/10 16:56	1011	
1,1-Dichloroethene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Methylene Chloride	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
trans-1,2-Dichloroethene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Methyl-t-butyl ether	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,1-Dichloroethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
2-Butanone	ND	ug/kg	25	1	13	05/19/10	05/19/10 16:56	1011	
cis-1,2-Dichloroethene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Chloroform	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,1,1-Trichloroethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,2-Dichloroethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Carbon Tetrachloride	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Benzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,2-Dichloropropane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Carbon Disulfide	ND	ug/kg	13	1	6.3	05/19/10	05/19/10 16:56	1011	
Trichloroethene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Bromodichloromethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
cis-1,3-Dichloropropene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
4-Methyl-2-Pentanone	ND	ug/kg	25	1	13	05/19/10	05/19/10 16:56	1011	
trans-1,3-Dichloropropene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,1,2-Trichloroethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Toluene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,2-Dibromoethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Dibromochloromethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Bromoform	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Tetrachloroethene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-10</b>	<b>Date/Time Sampled: 05/14/2010 13:05</b>	<b>PSS Sample ID: 10051707-012</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>	<b>% Solids: 79</b>

VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chlorobenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Ethylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.3	05/19/10	05/19/10 16:56	1011	
Styrene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
o-Xylene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
Isopropylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
n-Propylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
n-Butylbenzene	ND	ug/kg	6	1	3.1	05/19/10	05/19/10 16:56	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	50	1	25	05/19/10	05/19/10 16:56	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-10</b>	<b>Date/Time Sampled: 05/14/2010 13:05</b>			<b>PSS Sample ID: 10051707-012</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 79</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Acenaphthylene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Anthracene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Benzo(a)anthracene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Benzo(a)pyrene	ND	ug/kg	29	1	29	05/20/10	05/21/10 12:03	1014	
Benzo(b)fluoranthene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Benzo(g,h,i)perylene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Benzo(k)fluoranthene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
bis(2-chloroethyl) ether	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Di-n-butyl phthalate	ND	ug/kg	420	1	210	05/20/10	05/21/10 12:03	1014	
Carbazole	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
4-Chloroaniline	ND	ug/kg	420	1	210	05/20/10	05/21/10 12:03	1014	
2-Chloronaphthalene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2-Chlorophenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Chrysene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	29	1	29	05/20/10	05/21/10 12:03	1014	
Dibenzofuran	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
1,2-Dichlorobenzene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
1,3-Dichlorobenzene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
1,4-Dichlorobenzene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
3,3-Dichlorobenzidine	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2,4-Dichlorophenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Diethyl phthalate	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2,4-Dimethylphenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2,4-Dinitrophenol	ND	ug/kg	420	1	210	05/20/10	05/21/10 12:03	1014	
2,4-Dinitrotoluene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2,6-Dinitrotoluene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Fluoranthene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-10</b>	<b>Date/Time Sampled: 05/14/2010 13:05</b>			<b>PSS Sample ID: 10051707-012</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 79</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C					Preparation Method: SW846 3550			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Hexachlorobenzene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Hexachlorobutadiene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Hexachlorocyclopentadiene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Hexachloroethane	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Isophorone	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2-Methylnaphthalene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2-Methyl phenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
3&4-Methylphenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Naphthalene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Nitrobenzene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	84	1	42	05/20/10	05/21/10 12:03	1014	
N-Nitrosodiphenylamine	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Pentachlorophenol	ND	ug/kg	420	1	210	05/20/10	05/21/10 12:03	1014	
Phenanthrene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Phenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Pyrene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2,4,6-Trichlorophenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	
2,4,5-Trichlorophenol	ND	ug/kg	210	1	110	05/20/10	05/21/10 12:03	1014	

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6630 BALTIMORE NATIONAL PIKE  
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800-932-9047  
FAX 410-788-8723

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## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-15</b>	Date/Time Sampled: 05/14/2010 13:30	PSS Sample ID: 10051707-013
<b>Matrix: SOIL</b>	Date/Time Received: 05/17/2010 12:20	% Solids: 83
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
TPH-DRO (Diesel Range Organics)	Result: 8.8 mg/kg	RL: 12 Flag: J Dil: 1 LOD: 5.9 Prepared: 05/20/10 Analyzed: 05/20/10 18:57 Analyst: 1040
HF - Heavier fuel/oil pattern observed in sample.		
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
TPH-GRO (Gasoline Range Organics)	Result: ND ug/kg	RL: 130 Flag: 1 Dil: 63 Prepared: 05/18/10 Analyzed: 05/18/10 17:56 Analyst: 1035

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## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-15</b>	<b>Date/Time Sampled: 05/14/2010 13:30</b>			<b>PSS Sample ID: 10051707-013</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Vinyl Chloride	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Bromomethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Chloroethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Acetone	<b>25</b>	ug/kg	27	J	1	13	05/19/10	05/19/10 17:24	1011
1,1-Dichloroethene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Methylene Chloride	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
trans-1,2-Dichloroethene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Methyl-t-butyl ether	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
1,1-Dichloroethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
2-Butanone	ND	ug/kg	27		1	13	05/19/10	05/19/10 17:24	1011
cis-1,2-Dichloroethene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Chloroform	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
1,1,1-Trichloroethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
1,2-Dichloroethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Carbon Tetrachloride	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Benzene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
1,2-Dichloropropane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Carbon Disulfide	ND	ug/kg	13		1	6.6	05/19/10	05/19/10 17:24	1011
Trichloroethene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Bromodichloromethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
cis-1,3-Dichloropropene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
4-Methyl-2-Pentanone	ND	ug/kg	27		1	13	05/19/10	05/19/10 17:24	1011
trans-1,3-Dichloropropene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
1,1,2-Trichloroethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Toluene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
1,2-Dibromoethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Dibromochloromethane	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Bromoform	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011
Tetrachloroethene	ND	ug/kg	7		1	3.3	05/19/10	05/19/10 17:24	1011

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**410-747-8770**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-15</b>	<b>Date/Time Sampled: 05/14/2010 13:30</b>			<b>PSS Sample ID: 10051707-013</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
Ethylbenzene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.6	05/19/10	05/19/10 17:24	1011	
Styrene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
o-Xylene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
Isopropylbenzene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
n-Propylbenzene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
n-Butylbenzene	ND	ug/kg	7	1	3.3	05/19/10	05/19/10 17:24	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	53	1	27	05/19/10	05/19/10 17:24	1011	

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<b>Sample ID: AOC-35-15</b>	<b>Date/Time Sampled: 05/14/2010 13:30</b>		<b>PSS Sample ID: 10051707-013</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/21/10 00:58	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:58	1014	
Carbazole	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:58	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Chrysene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/21/10 00:58	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:58	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	

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**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-15</b>	<b>Date/Time Sampled: 05/14/2010 13:30</b>		<b>PSS Sample ID: 10051707-013</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Isophorone	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Naphthalene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	80	1	40	05/20/10	05/21/10 00:58	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/21/10 00:58	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Phenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Pyrene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/21/10 00:58	1014	

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6630 BALTIMORE NATIONAL PIKE  
ROUTE 40 WEST  
BALTIMORE, MD 21228  
410-747-8770  
800-932-9047  
FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP AOC-35-01</b>	Date/Time Sampled: 05/14/2010 00:00	PSS Sample ID: 10051707-014						
<b>Matrix: SOIL</b>	Date/Time Received: 05/17/2010 12:20	% Solids: 82						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550						
HF - Heavier fuel/oil pattern observed in sample.								
<hr/>								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	15 mg/kg	12	HF	1	6.1	05/20/10	05/20/10 18:57	1040

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP AOC-35-01</b>	<b>Date/Time Sampled: 05/14/2010 00:00</b>			<b>PSS Sample ID: 10051707-014</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 82</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Acenaphthylene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Anthracene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Benzo(a)anthracene	150	ug/kg	200	J	1	100	05/20/10	05/21/10 03:23	1014
Benzo(a)pyrene	120	ug/kg	28		1	28	05/20/10	05/21/10 03:23	1014
Benzo(b)fluoranthene	150	ug/kg	200	J	1	100	05/20/10	05/21/10 03:23	1014
Benzo(g,h,i)perylene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Benzo(k)fluoranthene	120	ug/kg	200	J	1	100	05/20/10	05/21/10 03:23	1014
bis(2-chloroethyl) ether	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Di-n-butyl phthalate	ND	ug/kg	400		1	200	05/20/10	05/21/10 03:23	1014
Carbazole	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
4-Chloroaniline	ND	ug/kg	400		1	200	05/20/10	05/21/10 03:23	1014
2-Chloronaphthalene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2-Chlorophenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Chrysene	150	ug/kg	200	J	1	100	05/20/10	05/21/10 03:23	1014
Dibenz(a,h)Anthracene	ND	ug/kg	28		1	28	05/20/10	05/21/10 03:23	1014
Dibenzofuran	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
1,2-Dichlorobenzene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
1,3-Dichlorobenzene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
1,4-Dichlorobenzene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
3,3-Dichlorobenzidine	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2,4-Dichlorophenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Diethyl phthalate	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2,4-Dimethylphenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2,4-Dinitrophenol	ND	ug/kg	400		1	200	05/20/10	05/21/10 03:23	1014
2,4-Dinitrotoluene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2,6-Dinitrotoluene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Fluoranthene	280	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014

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**6630 BALTIMORE NATIONAL PIKE**  
**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP AOC-35-01</b>	<b>Date/Time Sampled: 05/14/2010 00:00</b>			<b>PSS Sample ID: 10051707-014</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 82</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C					Preparation Method: SW846 3550			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Hexachlorobenzene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Hexachlorobutadiene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Hexachlorocyclopentadiene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Hexachloroethane	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Isophorone	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2-Methylnaphthalene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2-Methyl phenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
3&4-Methylphenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Naphthalene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Nitrobenzene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
N-Nitrosodi-n-propyl amine	ND	ug/kg	81		1	40	05/20/10	05/21/10 03:23	1014
N-Nitrosodiphenylamine	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Pentachlorophenol	ND	ug/kg	400		1	200	05/20/10	05/21/10 03:23	1014
Phenanthrene	<b>150</b>	ug/kg	200	J	1	100	05/20/10	05/21/10 03:23	1014
Phenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Pyrene	<b>290</b>	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
Bis(2-ethylhexyl)adipate	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
1,2,4-Trichlorobenzene	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2,4,6-Trichlorophenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014
2,4,5-Trichlorophenol	ND	ug/kg	200		1	100	05/20/10	05/21/10 03:23	1014

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6630 BALTIMORE NATIONAL PIKE  
ROUTE 40 WEST  
BALTIMORE, MD 21228  
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800-932-9047  
FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP AOC-35-01a</b>	Date/Time Sampled: 05/14/2010 00:00	PSS Sample ID: 10051707-015
<b>Matrix: SOIL</b>	Date/Time Received: 05/17/2010 12:20	% Solids: 85
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
TPH-GRO (Gasoline Range Organics)	Result: ND Units: ug/kg RL: 110 Flag: 1 Dil: 53	Prepared: 05/18/10 Analyzed: 05/18/10 18:25 Analyst: 1035

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**800-932-9047**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP AOC-35-01a</b>	<b>Date/Time Sampled: 05/14/2010 00:00</b>			<b>PSS Sample ID: 10051707-015</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 85</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Vinyl Chloride	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Bromomethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Chloroethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Acetone	<b>64</b>	ug/kg	25	1	13	05/19/10	05/19/10 17:53	1011	
1,1-Dichloroethene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Methylene Chloride	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
trans-1,2-Dichloroethene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Methyl-t-butyl ether	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,1-Dichloroethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
2-Butanone	ND	ug/kg	25	1	13	05/19/10	05/19/10 17:53	1011	
cis-1,2-Dichloroethene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Chloroform	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,1,1-Trichloroethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,2-Dichloroethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Carbon Tetrachloride	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Benzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,2-Dichloropropane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Carbon Disulfide	ND	ug/kg	13	1	6.3	05/19/10	05/19/10 17:53	1011	
Trichloroethene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Bromodichloromethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
cis-1,3-Dichloropropene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
4-Methyl-2-Pentanone	ND	ug/kg	25	1	13	05/19/10	05/19/10 17:53	1011	
trans-1,3-Dichloropropene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,1,2-Trichloroethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Toluene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,2-Dibromoethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Dibromochloromethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Bromoform	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Tetrachloroethene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	

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**6630 BALTIMORE NATIONAL PIKE**  
**ROUTE 40 WEST**  
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**800-932-9047**  
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# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051707

**ARGO Systems, Glen Burnie, MD**

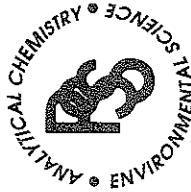
May 24, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP AOC-35-01a</b>	<b>Date/Time Sampled: 05/14/2010 00:00</b>			<b>PSS Sample ID: 10051707-015</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/17/2010 12:20</b>					<b>% Solids: 85</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Ethylbenzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.3	05/19/10	05/19/10 17:53	1011	
Styrene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
o-Xylene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
Isopropylbenzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
n-Propylbenzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
n-Butylbenzene	ND	ug/kg	6	1	3.2	05/19/10	05/19/10 17:53	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	50	1	25	05/19/10	05/19/10 17:53	1011	

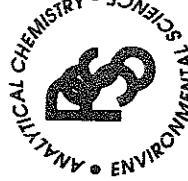


# SAMPLE CHAIN OF CUSTODY PHASE SEPARATION SCIENCE, INC.

[www.phaseonline.com](http://www.phaseonline.com)  
email: [info@phaseonline.com](mailto:info@phaseonline.com)

① CLIENT: EPA		OFFICE LOC: Sparks, ND		PAGE <u>1</u> OF <u>3</u>
PROJECT MGR	(4)	PHONE NO.:	(4) 319-5114	Matrix Codes: SW=Surface Wtr DW=Drinking Wtr WW=Ground Wtr O=Oil S=Soil W=Waste Solid MS=Waste Liquid M=Water
EMAIL:	(4)	FAX NO.:	(4) 771-4904	Method Required Preservatives Used SAMPLE TYPE
PROJECT NAME:	NTCB	PROJECT NO.:	146289	C = COMP G = GRAB ③
SITE LOCATION:	Port Deposit	P.O. NO.:		TPH-GRO TPH-S SVC'S DR'S
SAMPLERS:		MATRIX (See Codes)		REMARKS
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	
1	AOC-35-9	5/14/10	1130	S
2	AOC-35-8	1105		
3	AOC-35-7	1050		
4	AOC-35-6	1030		
5	AOC-35-1	1000		
6	AOC-35-3	0925		
7	AOC-35-2	0945		
8	AOC-35-5	0845		
9	AOC-35-4	0900		
10	AOC-35-13	1400	1	
11				④ Requested Turnaround Time 5-Day <input type="checkbox"/> 3-Day <input checked="" type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/>
② Relinquished By: (1)	(4)	Date: 5/17/10	Time: 1045	④ Received By: [REDACTED]
Relinquished By: (2)	(4)	Date: 5/17/10	Time: [REDACTED]	④ Received By: [REDACTED]
Relinquished By: (3)		Date: 5/17/10	Time: [REDACTED]	④ Received By: [REDACTED]
Relinquished By: (4)		Date: [REDACTED]	Time: [REDACTED]	Received By: [REDACTED]
Special Instructions:				
# of Coolers: ④ Custody Seal: ABS Ice Present: YES Temp: 2° Shipping Carrier: DHL				

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723  
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all reasonable fees if collection becomes necessary.



# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

① CLIENT: EPA		OFFICE LOC: SPARNS, MD		PSS Work Order # 1005/707		PAGE 2 OF 2.3	
PROJECT MGR:	(4) (5)	PHONE NO.:	(410) 329 - 5114	Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W=Wire			
EMAIL:	(4) (5) @ phase.com FAX NO.:	(410) 771-4904		No. C	SAMPLE TYPE	Preservatives Used	Analysis/Method Required
PROJECT NAME:	NTCB	PROJECT NO.: 1406309		O	COMP	③	
SITE LOCATION:	Port Deposit	P.O. NO.:		N	G = GRAB	TPH-DRO	
SAMPLERS:		(4) (6)		A	R	TPH-GRO	
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)		REMARKS	
11	AOC-35-14	5/14/10	13:50	S	X	S105	
12	AOC-35-10		13:05	S	X	S105	
13	AOC-35-15		13:30	S	X	S105	
14	DUP-AOC-35-01		-	S	X	S105	
15	DUP-AOC-35-01a		-	S	X	S105	
16	AOC-14-US1-2/8-10		13:45	S	X	S105	
17	AOC-14-US1-1/8-10		14:00	S	X	S105	
18	AOC-14-2/2-4		14:30	S	X	S105	
19	AOC-14-1/0-2		14:00	S	X	S105	
20	AOC-14-1/2-4		-	S	X	S105	
⑤ Relinquished By: (1)		Date	Time	Received By:		# of Coolers: 6	
						Custody Seal: YES	
Relinquished By: (2)		Date	Time	Received By:		Ice Present: YES Temp: 2°C	
						Shipping Carrier: DHL	
Relinquished By: (3)		Date	Time	Received By:	Special Instructions:		
Relinquished By: (4)		Date	Time	Received By:			
④ Requested Turnaround Time							
<input type="checkbox"/> 5-Day		<input type="checkbox"/> 3-Day		<input type="checkbox"/> 2-Day		<input checked="" type="checkbox"/> Emergency	
<input type="checkbox"/> Next Day		<input type="checkbox"/> Emergency		<input type="checkbox"/> Other			
Data Deliverables Required:							
(4) (6)		(4) (6)					

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## SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

[www.phaseonline.com](http://www.phaseonline.com)  
email: [info@phaseonline.com](mailto:info@phaseonline.com)

1) CLIENT: TPA		OFFICE LOC. Sparks, MD		PSS Work Order #: 10051707		PAGE 3 OF 3	
PROJECT MGR: (4)		PHONE NO.: (410) 319-5114		Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W=Wire			
EMAIL: (4) Crest.com		FAX NO.: (410) 771-4904		PROJECT NO.: 1461209			
PROJECT NAME: VTCB		P.O. NO.: [REDACTED]		No.		REMARKS	
SITE LOCATION: Port Deposit		[REDACTED]		C	SAMPLE TYPE		
SAMPLERS: [REDACTED]		(b) (4)		O	Preservatives Used		
LAB NO.		SAMPLE IDENTIFICATION		N	Analysis/Method Required		
21		ADC-14-2/0-3		T	C = COMP	(3)	
22		R-05/2-4		A	G = GRAB	PbH - SPC	
23		EB-9		I		TPH - HgC	
24		EB-10		R		TPH - HgC	
LAB NO.		DATE		TIME	MATRIX (See Codes)		
21		5/14/10		1430	S	X X X	
22		5/14/10		0415	S	X X X	
23		5/14/10		-	I	X X X	
24		5/14/10		-	R	X X X	
4) Requested Turnaround Time							
Relinquished By: (1)		Date	Time	Received By:	<input type="checkbox"/> 5-Day <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 3-Day <input type="checkbox"/> Emergency <input type="checkbox"/> 2-Day <input type="checkbox"/> Other		
Relinquished By: (2)		Date	Time	Received By:			
Relinquished By: (3)		Date	Time	Received By:			
Relinquished By: (4)		Date	Time	Received By:			
5) Data Deliverables Required:							
Special Instructions:							

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# Phase Separation Science, Inc

## Sample Receipt Checklist

Wo Number	10051707	Received By	(b) (4)
Client Name	ARGO Systems	Date Received	05/17/2010 12:20:00 PM
Project Name	NTCB	Delivered By	Dial Courier
Project Number	1462309	Tracking No	Not Applicable
Disposal Date:	07/16/2010	Logged In By	(b) (4)

### Shipping Container(s)

No. of Coolers	6	Ice	Present
Custody Seals	Absent	Temp (deg C)	2
Seal Condition	Absent	Temp Blank	Present No

### Documentation

COC agrees with sample labels?  Yes or  No Sampler Name: (b) (4)  
Chain of Custody (COC)  Yes or  No MD DW Cert. No.: N/A

### Sample Container

Appropriate for Specified Analysis?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Custody Seal(s)	Absent
Intact?	<input checked="" type="checkbox"/> —	Custody Seal(s) Intact?	Not Applicable
Labeled and Labels Legible	<input checked="" type="checkbox"/> —	Seal(s) Signed / Dated	Not Applicable
Total No. of Samples Received	24	Total No. of Containers Received	199

### Preservation

		Yes	No	N/A
Metals	(pH<2)	<input checked="" type="checkbox"/>	—	—
Cyanides	(pH>12)	—	—	<input checked="" type="checkbox"/>
Sulfide	(pH>9)	—	—	<input checked="" type="checkbox"/>
TOC, COD, Phenols	(pH<2)	—	—	<input checked="" type="checkbox"/>
TOX, TKN, NH3, Total Phos	(pH<2)	—	—	<input checked="" type="checkbox"/>
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	—	—	<input checked="" type="checkbox"/>
Do VOA vials have zero headspace?		—	—	<input checked="" type="checkbox"/>

### Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling

(b) (4)

Samples Inspected/Checklist Completed By: *[Signature]* (b) (4)

Date:

5/18/10

PM Review and Approval: \_\_\_\_\_

Date: \_\_\_\_\_

# Analytical Report for

**ARGO Systems**

**Certificate of Analysis No.: 10051811**

**Project Manager:** (b) (4)

**Project Name :** NTCB

**Project Location:** Port Deposit

**Project ID :** 1462309



**May 28, 2010**

**Phase Separation Science, Inc.**  
**6630 Baltimore National Pike**  
**Baltimore, MD 21228**  
**Phone: (410) 747-8770**  
**Fax: (410) 788-8723**

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BALTIMORE, MD 21228  
410-747-8770  
800-932-9047

# PHASE SEPARATION SCIENCE, INC.



May 28, 2010

(b) (4)

**ARGO Systems**

1403 Madison Park Dr., Ste. 205  
Glen Burnie, MD 21061

Reference: PSS Work Order No: **10051811**

Project Name : NTCB

Project Location: Port Deposit

Project ID.: 1462309

Dear (b) (4) :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10051811**.

All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on June 22, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

(b) (4)

Laboratory Manager



**Case Narrative Summary**  
**Client Name: ARGO Systems**  
**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10051811**

The following samples were received under chain of custody by Phase Separation Science (PSS) on 05/18/2010 at 04:15 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
10051811-001	AOC-45c-16	SOIL	05/17/2010 09:40
10051811-002	AOC-45c-39	SOIL	05/17/2010 11:05
10051811-003	AOC-35-27	SOIL	05/17/2010 15:15
10051811-004	AOC-35-26	SOIL	05/17/2010 15:00
10051811-005	AOC-35-24	SOIL	05/17/2010 13:30
10051811-006	AOC-35-25	SOIL	05/17/2010 13:15
10051811-007	AOC-35-21	SOIL	05/17/2010 14:35
10051811-008	AOC-35-23	SOIL	05/17/2010 14:00
10051811-009	AOC-35-22	SOIL	05/17/2010 14:15
10051811-010	AOC-35-20 MS/MSD	SOIL	05/17/2010 11:15
10051811-011	AOC-45c-43	SOIL	05/17/2010 11:40
10051811-012	AOC-45c-27	SOIL	05/17/2010 10:50
10051811-013	AOC-45c-23	SOIL	05/17/2010 09:25
10051811-014	AOC-45c-3	SOIL	05/17/2010 10:05
10051811-015	AOC-45c-DUP-01	SOIL	05/17/2010 00:00
10051811-016	AOC-35-17	SOIL	05/17/2010 10:05
10051811-017	AOC-35-16	SOIL	05/17/2010 09:40
10051811-018	AOC-35-11	SOIL	05/17/2010 09:20
10051811-019	AOC-35-12	SOIL	05/17/2010 09:00
10051811-020	AOC-35-19	SOIL	05/17/2010 10:50
10051811-021	AOC-35-18	SOIL	05/17/2010 10:30
10051811-022	DUP-AOC-35-0-2	SOIL	05/17/2010 00:00
10051811-023	AOC-45a-47	SOIL	05/14/2010 10:45
10051811-024	AOC-45a-44 MS/MSD	SOIL	05/14/2010 11:15
10051811-025	AOC-1a (689)-1/0-2	SOIL	05/13/2010 11:15
10051811-026	AOC-45a-17	SOIL	05/13/2010 11:00
10051811-027	AOC-45a-69	SOIL	05/13/2010 14:15
10051811-028	AOC-45a-Dup-01	SOIL	05/14/2010 00:00

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

**Notes:**

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].



# Case Narrative Summary

**Client Name: ARGO Systems**

**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10051811**

**Standard Flags/Abbreviations:**

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-27</b>	<b>Date/Time Sampled: 05/17/2010 15:15</b>		<b>PSS Sample ID: 10051811-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 84</b>		
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	5.9	05/21/10	05/21/10 18:50	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	100		1	51	05/19/10	05/20/10 02:05	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-27</b>	<b>Date/Time Sampled: 05/17/2010 15:15</b>			<b>PSS Sample ID: 10051811-003</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Vinyl Chloride	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Bromomethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Chloroethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Acetone	<b>36</b>	ug/kg	21	1	10	05/20/10	05/20/10 19:14	1011	
1,1-Dichloroethene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Methylene Chloride	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Methyl-t-butyl ether	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,1-Dichloroethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
2-Butanone	ND	ug/kg	21	1	10	05/20/10	05/20/10 19:14	1011	
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Chloroform	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,2-Dichloroethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Carbon Tetrachloride	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Benzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,2-Dichloropropane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Carbon Disulfide	ND	ug/kg	10	1	5.2	05/20/10	05/20/10 19:14	1011	
Trichloroethene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Bromodichloromethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
4-Methyl-2-Pentanone	ND	ug/kg	21	1	10	05/20/10	05/20/10 19:14	1011	
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Toluene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,2-Dibromoethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Dibromochloromethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Bromoform	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Tetrachloroethene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	

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# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-27</b>	<b>Date/Time Sampled: 05/17/2010 15:15</b>			<b>PSS Sample ID: 10051811-003</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 84</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Ethylbenzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
m,p-Xylenes	ND	ug/kg	10	1	5.2	05/20/10	05/20/10 19:14	1011	
Styrene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
o-Xylene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.6	05/20/10	05/20/10 19:14	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	42	1	21	05/20/10	05/20/10 19:14	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-27</b>	<b>Date/Time Sampled: 05/17/2010 15:15</b>		<b>PSS Sample ID: 10051811-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Benzo(a)pyrene	51	ug/kg	28	1	28	05/20/10	05/20/10 20:23	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:23	1014	
Carbazole	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:23	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Chrysene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 20:23	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:23	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-27</b>	<b>Date/Time Sampled: 05/17/2010 15:15</b>		<b>PSS Sample ID: 10051811-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Isophorone	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Naphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	40	05/20/10	05/20/10 20:23	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:23	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 20:23	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-26</b>	<b>Date/Time Sampled: 05/17/2010 15:00</b>			<b>PSS Sample ID: 10051811-004</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 83</b>				
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C			Preparation Method: SW846 3550				
<i>HF - Heavier fuel/oil pattern observed in sample.</i>								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	12 mg/kg	12	J	1	6	05/21/10	05/21/10 19:12	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C			Preparation Method: SW846 5035A				
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	110		1	57	05/19/10	05/20/10 02:36	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-26</b>	<b>Date/Time Sampled: 05/17/2010 15:00</b>			<b>PSS Sample ID: 10051811-004</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Vinyl Chloride	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Bromomethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Chloroethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Acetone	<b>12</b>	ug/kg	19	J	1	9.5	05/20/10	05/20/10 23:33	1011
1,1-Dichloroethene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Methylene Chloride	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
trans-1,2-Dichloroethene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Methyl-t-butyl ether	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
1,1-Dichloroethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
2-Butanone	ND	ug/kg	19		1	9.5	05/20/10	05/20/10 23:33	1011
cis-1,2-Dichloroethene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Chloroform	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
1,1,1-Trichloroethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
1,2-Dichloroethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Carbon Tetrachloride	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Benzene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
1,2-Dichloropropane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Carbon Disulfide	ND	ug/kg	9		1	4.7	05/20/10	05/20/10 23:33	1011
Trichloroethene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Bromodichloromethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
cis-1,3-Dichloropropene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
4-Methyl-2-Pentanone	ND	ug/kg	19		1	9.5	05/20/10	05/20/10 23:33	1011
trans-1,3-Dichloropropene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
1,1,2-Trichloroethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Toluene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
1,2-Dibromoethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Dibromochloromethane	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Bromoform	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011
Tetrachloroethene	ND	ug/kg	5		1	2.4	05/20/10	05/20/10 23:33	1011

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**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-26</b>	<b>Date/Time Sampled: 05/17/2010 15:00</b>			<b>PSS Sample ID: 10051811-004</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
Ethylbenzene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
m,p-Xylenes	ND	ug/kg	9	1	4.7	05/20/10	05/20/10 23:33	1011	
Styrene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
o-Xylene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.4	05/20/10	05/20/10 23:33	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	38	1	19	05/20/10	05/20/10 23:33	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-26</b>	<b>Date/Time Sampled: 05/17/2010 15:00</b>			<b>PSS Sample ID: 10051811-004</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Anthracene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/20/10 20:51	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:51	1014	
Carbazole	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:51	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Chrysene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 20:51	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:51	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-26</b>	<b>Date/Time Sampled: 05/17/2010 15:00</b>		<b>PSS Sample ID: 10051811-004</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Isophorone	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Naphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	80	1	40	05/20/10	05/20/10 20:51	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 20:51	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Phenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Pyrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 20:51	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-24</b>	<b>Date/Time Sampled: 05/17/2010 13:30</b>		<b>PSS Sample ID: 10051811-005</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 84</b>		
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	5.9	05/21/10	05/21/10 19:12	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	91		1	45	05/19/10	05/20/10 03:06	1035

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<b>Matrix: SOIL</b>		<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 84</b>					
VCP Volatile Organic Compounds		Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
		<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Vinyl Chloride		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Bromomethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Chloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Acetone		27	ug/kg	20		1	9.9	05/20/10	05/21/10 00:01	1011
1,1-Dichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Methylene Chloride		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
trans-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Methyl-t-butyl ether		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
1,1-Dichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
2-Butanone		ND	ug/kg	20		1	9.9	05/20/10	05/21/10 00:01	1011
cis-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Chloroform		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
1,1,1-Trichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
1,2-Dichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Carbon Tetrachloride		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Benzene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
1,2-Dichloropropane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Carbon Disulfide		ND	ug/kg	10		1	4.9	05/20/10	05/21/10 00:01	1011
Trichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Bromodichloromethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
cis-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
4-Methyl-2-Pentanone		ND	ug/kg	20		1	9.9	05/20/10	05/21/10 00:01	1011
trans-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
1,1,2-Trichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Toluene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
1,2-Dibromoethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Dibromochloromethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Bromoform		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011
Tetrachloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:01	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-24</b>	<b>Date/Time Sampled: 05/17/2010 13:30</b>			<b>PSS Sample ID: 10051811-005</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
m,p-Xylenes	ND	ug/kg	10	1	4.9	05/20/10	05/21/10 00:01	1011	
Styrene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:01	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	40	1	20	05/20/10	05/21/10 00:01	1011	

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Project ID: 1462309

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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/20/10 21:19	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:19	1014	
Carbazole	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:19	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Chrysene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 21:19	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:19	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-24</b>	<b>Date/Time Sampled: 05/17/2010 13:30</b>		<b>PSS Sample ID: 10051811-005</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Isophorone	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Naphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	40	05/20/10	05/20/10 21:19	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:19	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 21:19	1014	

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No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-25</b>	<b>Date/Time Sampled: 05/17/2010 13:15</b>		<b>PSS Sample ID: 10051811-006</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 83</b>	
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C						Preparation Method: SW846 3550	
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	16 mg/kg	12	HF	1	6	05/21/10	05/21/10 19:33	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C						Preparation Method: SW846 5035A	
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	120		1	58	05/19/10	05/20/10 03:36	1035

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# PHASE SEPARATION SCIENCE, INC.



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No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-25</b>	<b>Date/Time Sampled: 05/17/2010 13:15</b>			<b>PSS Sample ID: 10051811-006</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Vinyl Chloride	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Bromomethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Chloroethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Acetone	ND	ug/kg	25	1	13	05/20/10	05/21/10 00:30	1011	
1,1-Dichloroethene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Methylene Chloride	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
trans-1,2-Dichloroethene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Methyl-t-butyl ether	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,1-Dichloroethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
2-Butanone	ND	ug/kg	25	1	13	05/20/10	05/21/10 00:30	1011	
cis-1,2-Dichloroethene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Chloroform	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,1,1-Trichloroethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,2-Dichloroethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Carbon Tetrachloride	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Benzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,2-Dichloropropane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Carbon Disulfide	ND	ug/kg	13	1	6.3	05/20/10	05/21/10 00:30	1011	
Trichloroethene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Bromodichloromethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
cis-1,3-Dichloropropene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
4-Methyl-2-Pentanone	ND	ug/kg	25	1	13	05/20/10	05/21/10 00:30	1011	
trans-1,3-Dichloropropene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,1,2-Trichloroethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Toluene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,2-Dibromoethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Dibromochloromethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Bromoform	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Tetrachloroethene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	

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# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-25</b>	<b>Date/Time Sampled: 05/17/2010 13:15</b>			<b>PSS Sample ID: 10051811-006</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Ethylbenzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.3	05/20/10	05/21/10 00:30	1011	
Styrene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
o-Xylene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
Isopropylbenzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
n-Propylbenzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
n-Butylbenzene	ND	ug/kg	6	1	3.2	05/20/10	05/21/10 00:30	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	51	1	25	05/20/10	05/21/10 00:30	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-25</b>	<b>Date/Time Sampled: 05/17/2010 13:15</b>		<b>PSS Sample ID: 10051811-006</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Anthracene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/20/10 21:47	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:47	1014	
Carbazole	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:47	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Chrysene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 21:47	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:47	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-25</b>	<b>Date/Time Sampled: 05/17/2010 13:15</b>		<b>PSS Sample ID: 10051811-006</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Isophorone	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Naphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	80	1	40	05/20/10	05/20/10 21:47	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 21:47	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Phenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Pyrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 21:47	1014	

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6630 BALTIMORE NATIONAL PIKE  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-21</b>	<b>Date/Time Sampled: 05/17/2010 14:35</b>		<b>PSS Sample ID: 10051811-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 84</b>		
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	5.8	05/21/10	05/21/10 19:33	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	100		1	50	05/19/10	05/20/10 04:06	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-21</b>		<b>Date/Time Sampled: 05/17/2010 14:35</b>			<b>PSS Sample ID: 10051811-007</b>					
<b>Matrix: SOIL</b>		<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 84</b>					
VCP Volatile Organic Compounds		Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
		<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Vinyl Chloride		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Bromomethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Chloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Acetone		44	ug/kg	20		1	10	05/20/10	05/21/10 00:58	1011
1,1-Dichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Methylene Chloride		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
trans-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Methyl-t-butyl ether		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
1,1-Dichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
2-Butanone		ND	ug/kg	20		1	10	05/20/10	05/21/10 00:58	1011
cis-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Chloroform		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
1,1,1-Trichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
1,2-Dichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Carbon Tetrachloride		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Benzene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
1,2-Dichloropropane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Carbon Disulfide		ND	ug/kg	10		1	5	05/20/10	05/21/10 00:58	1011
Trichloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Bromodichloromethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
cis-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
4-Methyl-2-Pentanone		ND	ug/kg	20		1	10	05/20/10	05/21/10 00:58	1011
trans-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
1,1,2-Trichloroethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Toluene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
1,2-Dibromoethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Dibromochloromethane		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Bromoform		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011
Tetrachloroethene		ND	ug/kg	5		1	2.5	05/20/10	05/21/10 00:58	1011

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**410-747-8770**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-21</b>	<b>Date/Time Sampled: 05/17/2010 14:35</b>			<b>PSS Sample ID: 10051811-007</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
m,p-Xylenes	ND	ug/kg	10	1	5	05/20/10	05/21/10 00:58	1011	
Styrene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 00:58	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	40	1	20	05/20/10	05/21/10 00:58	1011	

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## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-21</b>	<b>Date/Time Sampled: 05/17/2010 14:35</b>			<b>PSS Sample ID: 10051811-007</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/20/10 19:55	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/20/10 19:55	1014	
Carbazole	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/20/10 19:55	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Chrysene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 19:55	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 19:55	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-21</b>	<b>Date/Time Sampled: 05/17/2010 14:35</b>			<b>PSS Sample ID: 10051811-007</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 84</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Isophorone	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Naphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	40	05/20/10	05/20/10 19:55	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 19:55	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 19:55	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-23</b>	<b>Date/Time Sampled: 05/17/2010 14:00</b>		<b>PSS Sample ID: 10051811-008</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 84</b>	
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C						Preparation Method: SW846 3550	
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	6.2 mg/kg	12	J	1	5.9	05/21/10	05/21/10 20:16	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C						Preparation Method: SW846 5035A	
TPH-GRO (Gasoline Range Organics)	ND ug/kg	98		1	49	05/19/10	05/20/10 04:36	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-23</b>	<b>Date/Time Sampled: 05/17/2010 14:00</b>			<b>PSS Sample ID: 10051811-008</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Vinyl Chloride	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Bromomethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Chloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Acetone	<b>44</b>	ug/kg	23	1	12	05/20/10	05/21/10 01:27	1011	
1,1-Dichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Methylene Chloride	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
trans-1,2-Dichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Methyl-t-butyl ether	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,1-Dichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
2-Butanone	ND	ug/kg	23	1	12	05/20/10	05/21/10 01:27	1011	
cis-1,2-Dichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Chloroform	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,1,1-Trichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,2-Dichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Carbon Tetrachloride	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Benzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,2-Dichloropropane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Carbon Disulfide	ND	ug/kg	12	1	5.9	05/20/10	05/21/10 01:27	1011	
Trichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Bromodichloromethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
cis-1,3-Dichloropropene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
4-Methyl-2-Pentanone	ND	ug/kg	23	1	12	05/20/10	05/21/10 01:27	1011	
trans-1,3-Dichloropropene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,1,2-Trichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Toluene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,2-Dibromoethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Dibromochloromethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Bromoform	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Tetrachloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-23</b>	<b>Date/Time Sampled: 05/17/2010 14:00</b>			<b>PSS Sample ID: 10051811-008</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Ethylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
m,p-Xylenes	ND	ug/kg	12	1	5.9	05/20/10	05/21/10 01:27	1011	
Styrene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
o-Xylene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
Isopropylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
n-Propylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
n-Butylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 01:27	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	47	1	23	05/20/10	05/21/10 01:27	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-23</b>	<b>Date/Time Sampled: 05/17/2010 14:00</b>			<b>PSS Sample ID: 10051811-008</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/20/10 17:36	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/20/10 17:36	1014	
Carbazole	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/20/10 17:36	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Chrysene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 17:36	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 17:36	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-23</b>	<b>Date/Time Sampled: 05/17/2010 14:00</b>			<b>PSS Sample ID: 10051811-008</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 84</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Isophorone	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Naphthalene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	40	05/20/10	05/20/10 17:36	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 17:36	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Phenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Pyrene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/20/10	05/20/10 17:36	1014	

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BALTIMORE, MD 21228  
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800-932-9047  
FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-22</b>	<b>Date/Time Sampled: 05/17/2010 14:15</b>		<b>PSS Sample ID: 10051811-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 83</b>		
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	6	05/21/10	05/21/10 18:08	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	100		1	52	05/19/10	05/20/10 05:06	1035

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-22</b>	<b>Date/Time Sampled: 05/17/2010 14:15</b>		<b>PSS Sample ID: 10051811-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 83</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Vinyl Chloride	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Bromomethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Chloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Acetone	<b>28</b>	ug/kg	22	1	11	05/20/10	05/21/10 01:56	1011	
1,1-Dichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Methylene Chloride	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
trans-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Methyl-t-butyl ether	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,1-Dichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
2-Butanone	ND	ug/kg	22	1	11	05/20/10	05/21/10 01:56	1011	
cis-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Chloroform	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,1,1-Trichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,2-Dichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Carbon Tetrachloride	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Benzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,2-Dichloropropane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Carbon Disulfide	ND	ug/kg	11	1	5.5	05/20/10	05/21/10 01:56	1011	
Trichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Bromodichloromethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
cis-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
4-Methyl-2-Pentanone	ND	ug/kg	22	1	11	05/20/10	05/21/10 01:56	1011	
trans-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,1,2-Trichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Toluene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,2-Dibromoethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Dibromochloromethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Bromoform	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Tetrachloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-22</b>	<b>Date/Time Sampled: 05/17/2010 14:15</b>			<b>PSS Sample ID: 10051811-009</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Ethylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.5	05/20/10	05/21/10 01:56	1011	
Styrene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
o-Xylene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
Isopropylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
n-Propylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
n-Butylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 01:56	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	44	1	22	05/20/10	05/21/10 01:56	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-22</b>	<b>Date/Time Sampled: 05/17/2010 14:15</b>		<b>PSS Sample ID: 10051811-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Anthracene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/20/10	05/20/10 16:12	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/20/10	05/20/10 16:12	1014	
Carbazole	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/20/10	05/20/10 16:12	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Chrysene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/20/10	05/20/10 16:12	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 16:12	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-22</b>	<b>Date/Time Sampled: 05/17/2010 14:15</b>		<b>PSS Sample ID: 10051811-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Isophorone	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Naphthalene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	80	1	40	05/20/10	05/20/10 16:12	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/20/10	05/20/10 16:12	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Phenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Pyrene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/20/10	05/20/10 16:12	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-20 MS/MSD</b>	<b>Date/Time Sampled: 05/17/2010 11:15</b>		<b>PSS Sample ID: 10051811-010</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 76</b>		
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	13		1	6.4	05/21/10	05/21/10 17:46	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	160		1	79	05/19/10	05/20/10 05:36	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-20 MS/MSD</b>	<b>Date/Time Sampled: 05/17/2010 11:15</b>			<b>PSS Sample ID: 10051811-010</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 76</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Vinyl Chloride	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Bromomethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Chloroethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Acetone	ND	ug/kg	31	1	16	05/20/10	05/21/10 02:24	1011
1,1-Dichloroethene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Methylene Chloride	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
trans-1,2-Dichloroethene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Methyl-t-butyl ether	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
1,1-Dichloroethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
2-Butanone	ND	ug/kg	31	1	16	05/20/10	05/21/10 02:24	1011
cis-1,2-Dichloroethene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Chloroform	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
1,1,1-Trichloroethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
1,2-Dichloroethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Carbon Tetrachloride	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Benzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
1,2-Dichloropropane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Carbon Disulfide	ND	ug/kg	16	1	7.8	05/20/10	05/21/10 02:24	1011
Trichloroethene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Bromodichloromethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
cis-1,3-Dichloropropene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
4-Methyl-2-Pentanone	ND	ug/kg	31	1	16	05/20/10	05/21/10 02:24	1011
trans-1,3-Dichloropropene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
1,1,2-Trichloroethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Toluene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
1,2-Dibromoethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Dibromochloromethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Bromoform	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011
Tetrachloroethene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011

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# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-20 MS/MSD</b>	<b>Date/Time Sampled: 05/17/2010 11:15</b>	<b>PSS Sample ID: 10051811-010</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>	<b>% Solids: 76</b>

VCP Volatile Organic Compounds	Analytical Method: SW846 8260B	Preparation Method: SW846 5035A
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
Ethylbenzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
m,p-Xylenes	ND	ug/kg	16	1	7.8	05/20/10	05/21/10 02:24	1011	
Styrene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
o-Xylene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
Isopropylbenzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
n-Propylbenzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
n-Butylbenzene	ND	ug/kg	8	1	3.9	05/20/10	05/21/10 02:24	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	62	1	31	05/20/10	05/21/10 02:24	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-20 MS/MSD	Date/Time Sampled: 05/17/2010 11:15			PSS Sample ID: 10051811-010					
Matrix: SOIL	Date/Time Received: 05/18/2010 16:15			% Solids: 76					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Acenaphthylene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Anthracene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Benzo(a)anthracene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Benzo(a)pyrene	ND	ug/kg	31	1	31	05/20/10	05/20/10 18:32	1014	
Benzo(b)fluoranthene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Benzo(g,h,i)perylene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Benzo(k)fluoranthene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
bis(2-chloroethyl) ether	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Di-n-butyl phthalate	ND	ug/kg	440	1	220	05/20/10	05/20/10 18:32	1014	
Carbazole	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
4-Chloroaniline	ND	ug/kg	440	1	220	05/20/10	05/20/10 18:32	1014	
2-Chloronaphthalene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2-Chlorophenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Chrysene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	31	1	31	05/20/10	05/20/10 18:32	1014	
Dibenzofuran	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
1,2-Dichlorobenzene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
1,3-Dichlorobenzene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
1,4-Dichlorobenzene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
3,3-Dichlorobenzidine	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2,4-Dichlorophenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Diethyl phthalate	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2,4-Dimethylphenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2,4-Dinitrophenol	ND	ug/kg	440	1	220	05/20/10	05/20/10 18:32	1014	
2,4-Dinitrotoluene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2,6-Dinitrotoluene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Fluoranthene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	

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**410-747-8770**  
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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-20 MS/MSD</b>	<b>Date/Time Sampled: 05/17/2010 11:15</b>		<b>PSS Sample ID: 10051811-010</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 76</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Hexachlorobenzene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Hexachlorobutadiene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Hexachlorocyclopentadiene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Hexachloroethane	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Isophorone	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2-Methylnaphthalene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2-Methyl phenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
3&4-Methylphenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Naphthalene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Nitrobenzene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	87	1	44	05/20/10	05/20/10 18:32	1014	
N-Nitrosodiphenylamine	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Pentachlorophenol	ND	ug/kg	440	1	220	05/20/10	05/20/10 18:32	1014	
Phenanthrene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Phenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Pyrene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2,4,6-Trichlorophenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	
2,4,5-Trichlorophenol	ND	ug/kg	220	1	110	05/20/10	05/20/10 18:32	1014	

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6630 BALTIMORE NATIONAL PIKE  
ROUTE 40 WEST  
BALTIMORE, MD 21228  
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800-932-9047  
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No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-17</b>	Date/Time Sampled: 05/17/2010 10:05	PSS Sample ID: 10051811-016						
<b>Matrix: SOIL</b>	Date/Time Received: 05/18/2010 16:15	% Solids: 78						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550						
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	36 mg/kg	13	HF	1	6.3	05/21/10	05/21/10 18:50	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A						
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	94		1	47	05/19/10	05/20/10 06:06	1035

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Project Location: Port Deposit

Project ID: 1462309

Sample ID: AOC-35-17	Date/Time Sampled: 05/17/2010 10:05				PSS Sample ID: 10051811-016				
Matrix: SOIL	Date/Time Received: 05/18/2010 16:15				% Solids: 78				
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chloromethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Vinyl Chloride	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Bromomethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Chloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Acetone	<b>60</b>	ug/kg	26	1	1	13	05/20/10	05/21/10 03:50	1011
1,1-Dichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Methylene Chloride	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
trans-1,2-Dichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Methyl-t-butyl ether	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
1,1-Dichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
2-Butanone	ND	ug/kg	26	1	1	13	05/20/10	05/21/10 03:50	1011
cis-1,2-Dichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Chloroform	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
1,1,1-Trichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
1,2-Dichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Carbon Tetrachloride	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Benzene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
1,2-Dichloropropane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Carbon Disulfide	ND	ug/kg	13	1	1	6.6	05/20/10	05/21/10 03:50	1011
Trichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Bromodichloromethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
cis-1,3-Dichloropropene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
4-Methyl-2-Pentanone	ND	ug/kg	26	1	1	13	05/20/10	05/21/10 03:50	1011
trans-1,3-Dichloropropene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
1,1,2-Trichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Toluene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
1,2-Dibromoethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Dibromochloromethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Bromoform	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011
Tetrachloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 03:50	1011

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**6630 BALTIMORE NATIONAL PIKE**  
**ROUTE 40 WEST**  
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May 28, 2010

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<b>Sample ID: AOC-35-17</b>	<b>Date/Time Sampled: 05/17/2010 10:05</b>	<b>PSS Sample ID: 10051811-016</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>	<b>% Solids: 78</b>

VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chlorobenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
Ethylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.6	05/20/10	05/21/10 03:50	1011	
Styrene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
o-Xylene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
Isopropylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
n-Propylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
n-Butylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 03:50	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	53	1	26	05/20/10	05/21/10 03:50	1011	

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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 78</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Acenaphthylene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Anthracene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Benzo(a)anthracene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Benzo(a)pyrene	ND	ug/kg	30	1	30	05/21/10	05/22/10 21:32	1014	
Benzo(b)fluoranthene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Benzo(g,h,i)perylene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Benzo(k)fluoranthene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
bis(2-chloroethyl) ether	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Di-n-butyl phthalate	ND	ug/kg	430	1	210	05/21/10	05/22/10 21:32	1014	
Carbazole	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
4-Chloroaniline	ND	ug/kg	430	1	210	05/21/10	05/22/10 21:32	1014	
2-Chloronaphthalene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2-Chlorophenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Chrysene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	30	1	30	05/21/10	05/22/10 21:32	1014	
Dibenzofuran	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
1,2-Dichlorobenzene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
1,3-Dichlorobenzene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
1,4-Dichlorobenzene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
3,3-Dichlorobenzidine	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2,4-Dichlorophenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Diethyl phthalate	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2,4-Dimethylphenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2,4-Dinitrophenol	ND	ug/kg	430	1	210	05/21/10	05/22/10 21:32	1014	
2,4-Dinitrotoluene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2,6-Dinitrotoluene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Fluoranthene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	

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May 28, 2010

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Project ID: 1462309

<b>Sample ID: AOC-35-17</b>	<b>Date/Time Sampled: 05/17/2010 10:05</b>		<b>PSS Sample ID: 10051811-016</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 78</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Hexachlorobenzene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Hexachlorobutadiene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Hexachlorocyclopentadiene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Hexachloroethane	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Isophorone	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2-Methylnaphthalene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2-Methyl phenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
3&4-Methylphenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Naphthalene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Nitrobenzene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	85	1	43	05/21/10	05/22/10 21:32	1014	
N-Nitrosodiphenylamine	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Pentachlorophenol	ND	ug/kg	430	1	210	05/21/10	05/22/10 21:32	1014	
Phenanthrene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Phenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Pyrene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2,4,6-Trichlorophenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	
2,4,5-Trichlorophenol	ND	ug/kg	210	1	110	05/21/10	05/22/10 21:32	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-16</b>	<b>Date/Time Sampled: 05/17/2010 09:40</b>		<b>PSS Sample ID: 10051811-017</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 85</b>						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	5.8	05/21/10	05/21/10 20:37	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	110		1	54	05/20/10	05/20/10 13:37	1035

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## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

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Project ID: 1462309

<b>Sample ID: AOC-35-16</b>	<b>Date/Time Sampled: 05/17/2010 09:40</b>						<b>PSS Sample ID: 10051811-017</b>		
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 85</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B						Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Vinyl Chloride	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Bromomethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Chloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Acetone	<b>26</b>	ug/kg	22	1	11	05/20/10	05/21/10 04:19	1011	
1,1-Dichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Methylene Chloride	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Methyl-t-butyl ether	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,1-Dichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
2-Butanone	ND	ug/kg	22	1	11	05/20/10	05/21/10 04:19	1011	
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Chloroform	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,2-Dichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Carbon Tetrachloride	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Benzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,2-Dichloropropane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Carbon Disulfide	ND	ug/kg	11	1	5.4	05/20/10	05/21/10 04:19	1011	
Trichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Bromodichloromethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
4-Methyl-2-Pentanone	ND	ug/kg	22	1	11	05/20/10	05/21/10 04:19	1011	
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Toluene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,2-Dibromoethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Dibromochloromethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Bromoform	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Tetrachloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-16</b>	<b>Date/Time Sampled: 05/17/2010 09:40</b>			<b>PSS Sample ID: 10051811-017</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 85</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Ethylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.4	05/20/10	05/21/10 04:19	1011	
Styrene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
o-Xylene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 04:19	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	43	1	22	05/20/10	05/21/10 04:19	1011	

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<b>Sample ID: AOC-35-16</b>	<b>Date/Time Sampled: 05/17/2010 09:40</b>	<b>PSS Sample ID: 10051811-017</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>	<b>% Solids: 85</b>

VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C					Preparation Method: SW846 3550			
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Acenaphthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Acenaphthylene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Anthracene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Benzo(a)pyrene	ND	ug/kg	27	1	27	05/21/10	05/22/10 20:34	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	200	05/21/10	05/22/10 20:34	1014	
Carbazole	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
4-Chloroaniline	ND	ug/kg	390	1	200	05/21/10	05/22/10 20:34	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2-Chlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Chrysene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	27	1	27	05/21/10	05/22/10 20:34	1014	
Dibenzofuran	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Diethyl phthalate	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	200	05/21/10	05/22/10 20:34	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-16</b>	<b>Date/Time Sampled: 05/17/2010 09:40</b>		<b>PSS Sample ID: 10051811-017</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 85</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Hexachlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Hexachloroethane	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Isophorone	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2-Methyl phenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
3&4-Methylphenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Naphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Nitrobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	78	1	39	05/21/10	05/22/10 20:34	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Pentachlorophenol	ND	ug/kg	390	1	200	05/21/10	05/22/10 20:34	1014	
Phenanthrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Phenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Pyrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 20:34	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-11</b>	Date/Time Sampled: 05/17/2010 09:20	PSS Sample ID: 10051811-018						
<b>Matrix: SOIL</b>	Date/Time Received: 05/18/2010 16:15	% Solids: 85						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550						
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	19 mg/kg	12	HF	1	5.8	05/21/10	05/21/10 20:16	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A						
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	99		1	49	05/20/10	05/20/10 14:07	1035

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## CERTIFICATE OF ANALYSIS

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**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-11</b>	<b>Date/Time Sampled: 05/17/2010 09:20</b>			<b>PSS Sample ID: 10051811-018</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 85</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Vinyl Chloride	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Bromomethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Chloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Acetone	<b>48</b>	ug/kg	20	1	9.9	05/20/10	05/21/10 04:48	1011	
1,1-Dichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Methylene Chloride	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Methyl-t-butyl ether	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,1-Dichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
2-Butanone	ND	ug/kg	20	1	9.9	05/20/10	05/21/10 04:48	1011	
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Chloroform	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,2-Dichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Carbon Tetrachloride	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Benzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,2-Dichloropropane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Carbon Disulfide	ND	ug/kg	10	1	5	05/20/10	05/21/10 04:48	1011	
Trichloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Bromodichloromethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
4-Methyl-2-Pentanone	ND	ug/kg	20	1	9.9	05/20/10	05/21/10 04:48	1011	
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Toluene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,2-Dibromoethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Dibromochloromethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Bromoform	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Tetrachloroethene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	

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**BALTIMORE, MD 21228**  
**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-11</b>	<b>Date/Time Sampled: 05/17/2010 09:20</b>			<b>PSS Sample ID: 10051811-018</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 85</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
m,p-Xylenes	ND	ug/kg	10	1	5	05/20/10	05/21/10 04:48	1011	
Styrene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/20/10	05/21/10 04:48	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	40	1	20	05/20/10	05/21/10 04:48	1011	

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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 85</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Acenaphthylene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Anthracene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Benzo(a)pyrene	ND	ug/kg	27	1	27	05/21/10	05/22/10 22:01	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	200	05/21/10	05/22/10 22:01	1014	
Carbazole	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
4-Chloroaniline	ND	ug/kg	390	1	200	05/21/10	05/22/10 22:01	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2-Chlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Chrysene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	27	1	27	05/21/10	05/22/10 22:01	1014	
Dibenzofuran	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Diethyl phthalate	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	200	05/21/10	05/22/10 22:01	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-11</b>	<b>Date/Time Sampled: 05/17/2010 09:20</b>			<b>PSS Sample ID: 10051811-018</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 85</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Hexachlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Hexachloroethane	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Isophorone	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2-Methyl phenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
3&4-Methylphenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Naphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Nitrobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	78	1	39	05/21/10	05/22/10 22:01	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Pentachlorophenol	ND	ug/kg	390	1	200	05/21/10	05/22/10 22:01	1014	
Phenanthrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Phenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Pyrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 22:01	1014	

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No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-12</b>	Date/Time Sampled: 05/17/2010 09:00	PSS Sample ID: 10051811-019						
<b>Matrix: SOIL</b>	Date/Time Received: 05/18/2010 16:15	% Solids: 83						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550						
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	23 mg/kg	12	HF	1	6	05/21/10	05/21/10 20:37	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C					Preparation Method: SW846 5035A		
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	110		1	54	05/20/10	05/20/10 14:38	1035

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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Vinyl Chloride	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Bromomethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Chloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Acetone	50	ug/kg	22	1	11	05/20/10	05/21/10 05:16	1011
1,1-Dichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Methylene Chloride	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
trans-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Methyl-t-butyl ether	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
1,1-Dichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
2-Butanone	ND	ug/kg	22	1	11	05/20/10	05/21/10 05:16	1011
cis-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Chloroform	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
1,1,1-Trichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
1,2-Dichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Carbon Tetrachloride	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Benzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
1,2-Dichloropropane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Carbon Disulfide	ND	ug/kg	11	1	5.6	05/20/10	05/21/10 05:16	1011
Trichloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Bromodichloromethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
cis-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
4-Methyl-2-Pentanone	ND	ug/kg	22	1	11	05/20/10	05/21/10 05:16	1011
trans-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
1,1,2-Trichloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Toluene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
1,2-Dibromoethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Dibromochloromethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Bromoform	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011
Tetrachloroethene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011

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**6630 BALTIMORE NATIONAL PIKE**  
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# PHASE SEPARATION SCIENCE, INC.



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No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-12</b>	<b>Date/Time Sampled: 05/17/2010 09:00</b>			<b>PSS Sample ID: 10051811-019</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 83</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
Ethylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.6	05/20/10	05/21/10 05:16	1011	
Styrene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
o-Xylene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
Isopropylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
n-Propylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
n-Butylbenzene	ND	ug/kg	6	1	2.8	05/20/10	05/21/10 05:16	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	45	1	22	05/20/10	05/21/10 05:16	1011	

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VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Anthracene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/21/10	05/22/10 22:30	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/21/10	05/22/10 22:30	1014	
Carbazole	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/21/10	05/22/10 22:30	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Chrysene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/21/10	05/22/10 22:30	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/21/10	05/22/10 22:30	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-12</b>	<b>Date/Time Sampled: 05/17/2010 09:00</b>			<b>PSS Sample ID: 10051811-019</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 83</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C					Preparation Method: SW846 3550			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Isophorone	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Naphthalene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	80	1	40	05/21/10	05/22/10 22:30	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/21/10	05/22/10 22:30	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Phenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Pyrene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/21/10	05/22/10 22:30	1014	

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FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-19</b>	Date/Time Sampled: 05/17/2010 10:50	PSS Sample ID: 10051811-020						
<b>Matrix: SOIL</b>	Date/Time Received: 05/18/2010 16:15	% Solids: 85						
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550						
HF - Heavier fuel/oil pattern observed in sample.								
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	21 mg/kg	12	HF	1	5.9	05/21/10	05/21/10 20:59	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C					Preparation Method: SW846 5035A		
Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND ug/kg	110		1	55	05/20/10	05/20/10 15:08	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-19</b>	<b>Date/Time Sampled: 05/17/2010 10:50</b>			<b>PSS Sample ID: 10051811-020</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 85</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Vinyl Chloride	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Bromomethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Chloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Acetone	<b>25</b>	ug/kg	23	1	12	05/20/10	05/21/10 05:45	1011	
1,1-Dichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Methylene Chloride	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
trans-1,2-Dichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Methyl-t-butyl ether	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,1-Dichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
2-Butanone	ND	ug/kg	23	1	12	05/20/10	05/21/10 05:45	1011	
cis-1,2-Dichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Chloroform	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,1,1-Trichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,2-Dichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Carbon Tetrachloride	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Benzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,2-Dichloropropane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Carbon Disulfide	ND	ug/kg	12	1	5.8	05/20/10	05/21/10 05:45	1011	
Trichloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Bromodichloromethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
cis-1,3-Dichloropropene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
4-Methyl-2-Pentanone	ND	ug/kg	23	1	12	05/20/10	05/21/10 05:45	1011	
trans-1,3-Dichloropropene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,1,2-Trichloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Toluene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,2-Dibromoethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Dibromochloromethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Bromoform	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Tetrachloroethene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	

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# **PHASE SEPARATION SCIENCE, INC.**



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-19</b>	<b>Date/Time Sampled: 05/17/2010 10:50</b>			<b>PSS Sample ID: 10051811-020</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 85</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Ethylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
m,p-Xylenes	ND	ug/kg	12	1	5.8	05/20/10	05/21/10 05:45	1011	
Styrene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
o-Xylene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
Isopropylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
n-Propylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
n-Butylbenzene	ND	ug/kg	6	1	2.9	05/20/10	05/21/10 05:45	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	47	1	23	05/20/10	05/21/10 05:45	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-19</b>	<b>Date/Time Sampled: 05/17/2010 10:50</b>			<b>PSS Sample ID: 10051811-020</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 85</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Acenaphthylene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Anthracene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Benzo(a)pyrene	ND	ug/kg	27	1	27	05/21/10	05/22/10 23:00	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	200	05/21/10	05/22/10 23:00	1014	
Carbazole	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
4-Chloroaniline	ND	ug/kg	390	1	200	05/21/10	05/22/10 23:00	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2-Chlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Chrysene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	27	1	27	05/21/10	05/22/10 23:00	1014	
Dibenzofuran	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Diethyl phthalate	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	200	05/21/10	05/22/10 23:00	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	

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**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-19</b>	<b>Date/Time Sampled: 05/17/2010 10:50</b>		<b>PSS Sample ID: 10051811-020</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>		<b>% Solids: 85</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Hexachlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Hexachloroethane	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Isophorone	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2-Methyl phenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
3&4-Methylphenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Naphthalene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Nitrobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	78	1	39	05/21/10	05/22/10 23:00	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Pentachlorophenol	ND	ug/kg	390	1	200	05/21/10	05/22/10 23:00	1014	
Phenanthrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Phenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Pyrene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/22/10 23:00	1014	

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BALTIMORE, MD 21228  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-18</b>	<b>Date/Time Sampled: 05/17/2010 10:30</b>		<b>PSS Sample ID: 10051811-021</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 84</b>		
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	12		1	5.9	05/21/10	05/21/10 18:08	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	100		1	52	05/20/10	05/20/10 15:38	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-18</b>	<b>Date/Time Sampled: 05/17/2010 10:30</b>						<b>PSS Sample ID: 10051811-021</b>		
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>						<b>% Solids: 84</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B						Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Vinyl Chloride	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Bromomethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Chloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Acetone	<b>78</b>	ug/kg	21	1	11	05/20/10	05/21/10 06:14	1011	
1,1-Dichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Methylene Chloride	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Methyl-t-butyl ether	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,1-Dichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
2-Butanone	ND	ug/kg	21	1	11	05/20/10	05/21/10 06:14	1011	
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Chloroform	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,2-Dichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Carbon Tetrachloride	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Benzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,2-Dichloropropane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Carbon Disulfide	ND	ug/kg	11	1	5.3	05/20/10	05/21/10 06:14	1011	
Trichloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Bromodichloromethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
4-Methyl-2-Pentanone	ND	ug/kg	21	1	11	05/20/10	05/21/10 06:14	1011	
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Toluene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,2-Dibromoethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Dibromochloromethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Bromoform	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Tetrachloroethene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-18</b>	<b>Date/Time Sampled: 05/17/2010 10:30</b>			<b>PSS Sample ID: 10051811-021</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Ethylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.3	05/20/10	05/21/10 06:14	1011	
Styrene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
o-Xylene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.7	05/20/10	05/21/10 06:14	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	43	1	21	05/20/10	05/21/10 06:14	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-18</b>	<b>Date/Time Sampled: 05/17/2010 10:30</b>			<b>PSS Sample ID: 10051811-021</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 84</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Acenaphthylene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Anthracene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/21/10	05/21/10 19:46	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	200	05/21/10	05/21/10 19:46	1014	
Carbazole	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
4-Chloroaniline	ND	ug/kg	390	1	200	05/21/10	05/21/10 19:46	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2-Chlorophenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Chrysene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/21/10	05/21/10 19:46	1014	
Dibenzofuran	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Diethyl phthalate	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	200	05/21/10	05/21/10 19:46	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Fluoranthene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-18</b>	<b>Date/Time Sampled: 05/17/2010 10:30</b>			<b>PSS Sample ID: 10051811-021</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>			<b>% Solids: 84</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Hexachlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Hexachloroethane	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Isophorone	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2-Methyl phenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
3&4-Methylphenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Naphthalene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Nitrobenzene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	39	05/21/10	05/21/10 19:46	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Pentachlorophenol	ND	ug/kg	390	1	200	05/21/10	05/21/10 19:46	1014	
Phenanthrene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Phenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Pyrene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	98	05/21/10	05/21/10 19:46	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-0-2</b>	Date/Time Sampled: 05/17/2010 00:00	PSS Sample ID: 10051811-022
<b>Matrix: SOIL</b>	Date/Time Received: 05/18/2010 16:15	% Solids: 75
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
TPH-DRO (Diesel Range Organics)	Result: 17 Units: mg/kg RL: 13 Flag: HF Dil: 1 LOD: 6.6	Prepared: 05/21/10 Analyzed: 05/21/10 21:20 Analyst: 1040
HF - Heavier fuel/oil pattern observed in sample.		
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
TPH-GRO (Gasoline Range Organics)	Result: ND Units: ug/kg RL: 160 Flag: Dil: 1 LOD: 79	Prepared: 05/20/10 Analyzed: 05/20/10 16:08 Analyst: 1035

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## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

Sample ID: DUP-AOC-35-0-2	Date/Time Sampled: 05/17/2010 00:00				PSS Sample ID: 10051811-022				
Matrix: SOIL	Date/Time Received: 05/18/2010 16:15				% Solids: 75				
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chloromethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Vinyl Chloride	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Bromomethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Chloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Acetone	31	ug/kg	27	1	1	13	05/20/10	05/21/10 06:43	1011
1,1-Dichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Methylene Chloride	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
trans-1,2-Dichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Methyl-t-butyl ether	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
1,1-Dichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
2-Butanone	ND	ug/kg	27	1	1	13	05/20/10	05/21/10 06:43	1011
cis-1,2-Dichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Chloroform	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
1,1,1-Trichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
1,2-Dichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Carbon Tetrachloride	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Benzene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
1,2-Dichloropropane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Carbon Disulfide	ND	ug/kg	13	1	1	6.7	05/20/10	05/21/10 06:43	1011
Trichloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Bromodichloromethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
cis-1,3-Dichloropropene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
4-Methyl-2-Pentanone	ND	ug/kg	27	1	1	13	05/20/10	05/21/10 06:43	1011
trans-1,3-Dichloropropene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
1,1,2-Trichloroethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Toluene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
1,2-Dibromoethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Dibromochloromethane	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Bromoform	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011
Tetrachloroethene	ND	ug/kg	7	1	1	3.3	05/20/10	05/21/10 06:43	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-0-2</b>	<b>Date/Time Sampled: 05/17/2010 00:00</b>			<b>PSS Sample ID: 10051811-022</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 75</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
Ethylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.7	05/20/10	05/21/10 06:43	1011	
Styrene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
o-Xylene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
Isopropylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
n-Propylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
n-Butylbenzene	ND	ug/kg	7	1	3.3	05/20/10	05/21/10 06:43	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	54	1	27	05/20/10	05/21/10 06:43	1011	

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## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-0-2</b>	<b>Date/Time Sampled: 05/17/2010 00:00</b>			<b>PSS Sample ID: 10051811-022</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 75</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Acenaphthylene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Anthracene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Benzo(a)anthracene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Benzo(a)pyrene	ND	ug/kg	31	1	31	05/21/10	05/21/10 23:09	1014	
Benzo(b)fluoranthene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Benzo(g,h,i)perylene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Benzo(k)fluoranthene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
bis(2-chloroethyl) ether	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Di-n-butyl phthalate	ND	ug/kg	440	1	220	05/21/10	05/21/10 23:09	1014	
Carbazole	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
4-Chloroaniline	ND	ug/kg	440	1	220	05/21/10	05/21/10 23:09	1014	
2-Chloronaphthalene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2-Chlorophenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Chrysene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	31	1	31	05/21/10	05/21/10 23:09	1014	
Dibenzofuran	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
1,2-Dichlorobenzene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
1,3-Dichlorobenzene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
1,4-Dichlorobenzene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
3,3-Dichlorobenzidine	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2,4-Dichlorophenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Diethyl phthalate	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2,4-Dimethylphenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2,4-Dinitrophenol	ND	ug/kg	440	1	220	05/21/10	05/21/10 23:09	1014	
2,4-Dinitrotoluene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2,6-Dinitrotoluene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Fluoranthene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051811

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-0-2</b>	<b>Date/Time Sampled: 05/17/2010 00:00</b>			<b>PSS Sample ID: 10051811-022</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/18/2010 16:15</b>					<b>% Solids: 75</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C					Preparation Method: SW846 3550			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Hexachlorobenzene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Hexachlorobutadiene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Hexachlorocyclopentadiene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Hexachloroethane	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Isophorone	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2-Methylnaphthalene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2-Methyl phenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
3&4-Methylphenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Naphthalene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Nitrobenzene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	89	1	44	05/21/10	05/21/10 23:09	1014	
N-Nitrosodiphenylamine	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Pentachlorophenol	ND	ug/kg	440	1	220	05/21/10	05/21/10 23:09	1014	
Phenanthrene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Phenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Pyrene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2,4,6-Trichlorophenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	
2,4,5-Trichlorophenol	ND	ug/kg	220	1	110	05/21/10	05/21/10 23:09	1014	



# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

<b>1</b>	CLIENT: <b>EPA</b>	OFFICE LOC. <b>SPARKS, MD</b>	PSS Work Order # <b>10051811</b>	PAGE <b>1</b> OF <b>3</b>			
PROJECT MGR:	PHONE NO.: <b>(410) 329-5114</b>	Matrix Codes: <b>SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil ML=Waste Liquid WS=Waste Solid W=Wire</b>					
EMAIL: <b>(4) Request Fax No.: (410) 771-4901</b>	PROJECT NO.: <b>4102201</b>	No. C O N T A E R S	Preservatives Used	Analysis/Method Required			
PROJECT NAME: <b>NTCS</b>	P.O. NO.: <b>(4)</b>	C = COMP	SAMPLE TYPE	③			
SITE LOCATION: <b>Port Deposit</b>	MATRIX (See Codes)	N T A	G = GRAB				
SAMPLERS: <b>(4)</b>	DATE	R S		REMARKS			
<b>2</b>	SAMPLE IDENTIFICATION	TIME					
1	AOC-45C-16	5/17/00 0940	S 9 G	X X			
2	AOC-45C-39	1105	S 9 G	X X			
3	AOC-35-27	1515	S 9 G	X X X X			
4	AOC-35-20	1500	S 9 G	X X X X X			
5	AOC-35-24	1330	S 9 G	X X X X X			
6	AOC-35-25	1315	S 9 G	X X X X X			
7	AOC-35-21	1435	S 9 G	X X X X X			
8	AOC-35-23	1400	S 9 G	X X X X X			
9	AOC-35-22	1415	S 9 G	X X X X X			
10	AOC-35-20	1115	S 9 G	X X X X X			
<b>5</b>	Relinquished By: <b>(4)</b>	Date <b>5/18/00</b>	Time <b>1515</b>	Received By: <b>(4)</b>	Received By: <b>(4)</b>	Requested Turnaround Time <b>5</b>	# of Coolers: <b>5</b>
Relinquished By: <b>(4)</b>	Date <b>5/18/00</b>	Time <b>1615</b>	Received By: <b>(4)</b>	Received By: <b>(4)</b>	5-Day <input type="checkbox"/> Next Day <input type="checkbox"/>	3-Day <input type="checkbox"/> Emergency <input type="checkbox"/>	2-Day <input type="checkbox"/> Other <input checked="" type="checkbox"/>
Relinquished By: <b>(4)</b>	Date <b>5/18/00</b>	Time <b>1615</b>	Received By: <b>(4)</b>	Received By: <b>(4)</b>	Ice Present <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Temp: <b>76</b> °F	Custody Seal: <b>YES</b>
Relinquished By: <b>(4)</b>	Date	Time	Received By:	Received By:	Shipping Carrier: <b>UVENT</b>		
Relinquished By: <b>(4)</b>	Date	Time	Received By:	Received By:	Special Instructions:		

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723  
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



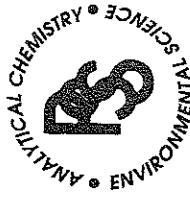
# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

① CLIENT: EPA		OFFICE LOC. SPAN MD	PSS Work Order # 10051811	PAGE 2 OF 3
PROJECT MGR: (4) [REDACTED]		PHONE NO.: (410) 324-5114	Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GM=Ground Wtr WM=Waste Wtr 0=Oil S=Soil WI=Waste Liquid WS=Waste Solid W=Wipe	
EMAIL: (4) [REDACTED] @est. (4) FAX NO.: (410) 441-4904		PROJECT NO.: 140130 <sup>a</sup>	No. C O N A T E R S	
PROJECT NAME: NTCB		PO. NO.: (b) (4)	SAMPLE TYPE C = COMP G = GRAB	
SITE LOCATION: Port Deposit		TIME (See Codes)	Preservatives Used	Analysis/Method Required
SAMPLERS: [REDACTED]		DATE		REMARKS
② LAB NO.	SAMPLE IDENTIFICATION			
1	AOC-45C-43	5/17/10 1140	S 1 G	X X X
2	AOC-45C-27	1050	S 1 G	X X X
3	AOC-45C-23	0925	S 1 G	X Y X
4	AOC-45C-3	1005	S 1 G	X X X
5	AOC-45C-DUP-01	-	S 1 G	X X X
6	AOC-35-17	1005	S 89 9	X X X X X
7	AOC-35-16	0940	S 89 6	X X X X X
8	AOC-35-11	0920	S 89 7	X X X X X
9	AOC-35-12	0900	S 89 9	X X X X X
10	AOC-35-19	1050	S 89 9	X X X X X
④ Relinquished By: (4) [REDACTED]	Date 5/18/10	Time 1515	Received By: (4) [REDACTED]	④ Requested Turnaround Time <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> 2-Day <input type="checkbox"/> Other Data Deliverables Required: (4) [REDACTED]
⑤ Relinquished By: (4) [REDACTED]	Date 5/18/10	Time 1615	Received By: (4) [REDACTED]	# of Coolers: 5 Custody Seal: ABS Ice Present: YES Temp: 2°C Shipping Carrier: UPS Freight
Relinquished By: (3)	Date	Time	Received By:	Special Instructions:
Relinquished By: (4)	Date	Time	Received By:	

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## **SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM**

## PHASE SEPARATION SCIENCE, INC.

[www.phaseonline.com](http://www.phaseonline.com)  
email: [info@phaseonline.com](mailto:info@phaseonline.com)

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The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



# Phase Separation Science, Inc

## Sample Receipt Checklist

Wo Number	10051811	Received By	(b) (4)
Client Name	ARGO Systems	Date Received	05/18/2010 04:15:00 PM
Project Name	NTCB	Delivered By	Client
Project Number	1462309	Tracking No	Not Applicable
Disposal Date:	06/22/2010	Logged In By	(b) (4)

### Shipping Container(s)

No. of Coolers	5	Ice	Present
Custody Seals	Not Applicable	Temp (deg C)	2
Seal Condition	Not Applicable	Temp Blank	Present No

### Documentation

COC agrees with sample labels?  Yes or  No Sampler Name: (b) (4)  
Chain of Custody (COC)  Yes or  No MD DW Cert. No.: N/A

### Sample Container

Appropriate for Specified Analysis?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Custody Seal(s)	Absent
Intact?	<input checked="" type="checkbox"/>	—	Custody Seal(s) Intact?	Not Applicable
Labeled and Labels Legible	<input checked="" type="checkbox"/>	—	Seal(s) Signed / Dated	Not Applicable
Total No. of Samples Received	28		Total No. of Containers Received	(179)

### Preservation

		Yes	No	N/A
Metals	(pH<2)	—	—	<input checked="" type="checkbox"/>
Cyanides	(pH>12)	—	—	<input checked="" type="checkbox"/>
Sulfide	(pH>9)	—	—	<input checked="" type="checkbox"/>
TOC, COD, Phenols	(pH<2)	—	—	<input checked="" type="checkbox"/>
TOX, TKN, NH3, Total Phos	(pH<2)	—	—	<input checked="" type="checkbox"/>
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	—	—	<input checked="" type="checkbox"/>
Do VOA vials have zero headspace?		—	—	<input checked="" type="checkbox"/>

### Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling.

(b) (4)

Samples Inspected/Checklist Completed By: (b) (4)

Date:

5/19/10

PM Review and Approval: (b) (4)

Date:

5/21/10

Printed: 05/19/2010 12:00 PM

# Analytical Report for

**ARGO Systems**

**Certificate of Analysis No.: 10051907**

**Project Manager:** (b) (4)

**Project Name :** NTCB

**Project Location:** Port Deposit

**Project ID :** 1462309



**May 28, 2010**

**Phase Separation Science, Inc.**  
**6630 Baltimore National Pike**  
**Baltimore, MD 21228**  
**Phone: (410) 747-8770**  
**Fax: (410) 788-8723**

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# PHASE SEPARATION SCIENCE, INC.



May 28, 2010

(b) (4)

**ARGO Systems**

1403 Madison Park Dr., Ste. 205  
Glen Burnie, MD 21061

Reference: PSS Work Order No: **10051907**

Project Name : NTCB

Project Location: Port Deposit

Project ID.: 1462309

Dear (b) (4) :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10051907**.

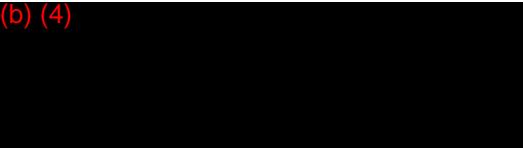
All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on June 23, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

(b) (4)



Laboratory Manager



**Case Narrative Summary**  
**Client Name: ARGO Systems**  
**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10051907**

The following samples were received under chain of custody by Phase Separation Science (PSS) on 05/19/2010 at 12:40 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
10051907-001	AOC-35-29	SOIL	05/18/2010 08:25
10051907-002	AOC-35-28	SOIL	05/18/2010 08:10
10051907-003	AOC-35-30	SOIL	05/18/2010 08:40
10051907-004	AOC-35-34	SOIL	05/18/2010 09:20
10051907-005	AOC-35-35	SOIL	05/18/2010 09:05
10051907-006	AOC-35-33	SOIL	05/18/2010 09:40
10051907-007	AOC-35-32	SOIL	05/18/2010 09:55
10051907-008	1A(689)-1	SOIL	05/18/2010 13:45
10051907-009	AOC-35-31	SOIL	05/18/2010 10:10
10051907-010	AOC-45a-28	SOIL	05/18/2010 11:05
10051907-011	AOC-45a-54	SOIL	05/18/2010 10:50
10051907-012	AOC-45a-69	SOIL	05/18/2010 11:35
10051907-013	AOC-45a-76	SOIL	05/18/2010 11:20
10051907-014	DUP-AOC-35-03	SOIL	05/18/2010 00:00
10051907-015	DUP-AOC-45a-02	SOIL	05/18/2010 00:00
10051907-016	AOC-14-3-0-2	SOIL	05/18/2010 09:05
10051907-017	AOC-14-3-2-4	SOIL	05/18/2010 09:30
10051907-018	AOC-14-4-0-2	SOIL	05/18/2010 09:50
10051907-019	AOC-14-4-2-4 MS/MSD	SOIL	05/18/2010 10:00
10051907-020	AOC-14-5-0-2	SOIL	05/18/2010 10:20
10051907-021	AOC-14-5-2-4	SOIL	05/18/2010 10:40
10051907-022	DUP-AOC-14-01	SOIL	05/18/2010 00:00
10051907-023	DUP-AOC-14-02	SOIL	05/18/2010 00:00
10051907-024	AOC-28-27 MS/MSD	SOIL	05/18/2010 14:10
10051907-025	AOC-28-19	SOIL	05/18/2010 14:50
10051907-026	AOC-28-20	SOIL	05/18/2010 14:30
10051907-027	AOC-28-28	SOIL	05/18/2010 14:00
10051907-028	AOC-28-34	SOIL	05/18/2010 13:40
10051907-029	AOC-28-33	SOIL	05/18/2010 13:15
10051907-030	AOC-28-28	SOIL	05/18/2010 13:50
10051907-031	AOC-28-35	SOIL	05/18/2010 13:25
10051907-032	DUP-AOC-28-01	SOIL	05/18/2010 00:00
10051907-033	DUP-AOC-2a-04/2-4	SOIL	05/10/2010 00:00
10051907-034	DUP-AOC-2a-05/2-4	SOIL	05/12/2010 00:00
10051907-035	DUP-AOC-2a-06/0-1	SOIL	05/10/2010 00:00
10051907-036	DUP-AOC-3-06/2-4	SOIL	05/12/2010 00:00
10051907-037	DUP-AOC-3-07/2-4	SOIL	05/13/2010 00:00
10051907-038	DUP-AOC-3-08/8-10	SOIL	05/13/2010 00:00
10051907-039	DUP-AOC-3-09/2-4	SOIL	05/12/2010 00:00
10051907-040	AOC-2a-33/2-4 MS/MSD	SOIL	05/11/2010 09:00
10051907-041	AOC-3-34/2-4 MS/MSD	SOIL	05/12/2010 14:50



# Case Narrative Summary

**Client Name: ARGO Systems**  
**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10051907**

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

**Narrative Comments:**

Terphenyl-d14 fell below 50% in the sample:  
041SD.

**Notes:**

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

**Standard Flags/Abbreviations:**

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

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**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-29</b>	<b>Date/Time Sampled: 05/18/2010 08:25</b>		<b>PSS Sample ID: 10051907-001</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 88</b>						
PP MDE Metals	Analytical Method: SW846 6020A							Preparation Method: SW846 3050B	
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:31	1033
Arsenic	<b>2.2</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 06:31	1033
Beryllium	<b>3.0</b>	mg/kg	2.5		1	1.2	05/21/10	05/26/10 00:02	1033
Cadmium	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:31	1033
Chromium	<b>450</b>	mg/kg	25		10	12	05/21/10	05/25/10 23:49	1033
Copper	<b>45</b>	mg/kg	2.5		1	1.2	05/21/10	05/26/10 00:02	1033
Lead	<b>6.9</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:31	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/21/10	05/25/10 06:31	1033
Nickel	<b>31</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:31	1033
Selenium	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:31	1033
Silver	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:31	1033
Thallium	ND	mg/kg	0.5		1	0.2	05/21/10	05/25/10 06:31	1033
Zinc	<b>44</b>	mg/kg	9.9		1	5	05/21/10	05/25/10 06:31	1033
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C							Preparation Method: SW846 3550	
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	11		1	5.7	05/22/10	05/24/10 15:27	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C							Preparation Method: SW846 5035A	
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	<b>110</b>	ug/kg	130	J	1	63	05/20/10	05/20/10 16:39	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-29</b>	<b>Date/Time Sampled: 05/18/2010 08:25</b>			<b>PSS Sample ID: 10051907-001</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 88</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Vinyl Chloride	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Bromomethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Chloroethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Acetone	<b>74</b>	ug/kg	20	1	9.9	05/21/10	05/21/10 12:31	1011	
1,1-Dichloroethene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Methylene Chloride	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
trans-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Methyl-t-butyl ether	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,1-Dichloroethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
2-Butanone	ND	ug/kg	20	1	9.9	05/21/10	05/21/10 12:31	1011	
cis-1,2-Dichloroethene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Chloroform	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,1,1-Trichloroethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,2-Dichloroethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Carbon Tetrachloride	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Benzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,2-Dichloropropane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Carbon Disulfide	ND	ug/kg	10	1	4.9	05/21/10	05/21/10 12:31	1011	
Trichloroethene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Bromodichloromethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
cis-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
4-Methyl-2-Pentanone	ND	ug/kg	20	1	9.9	05/21/10	05/21/10 12:31	1011	
trans-1,3-Dichloropropene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,1,2-Trichloroethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Toluene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,2-Dibromoethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Dibromochloromethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Bromoform	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Tetrachloroethene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	

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800-932-9047  
FAX 410-788-8723

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-29</b>	<b>Date/Time Sampled: 05/18/2010 08:25</b>			<b>PSS Sample ID: 10051907-001</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 88</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
m,p-Xylenes	ND	ug/kg	10	1	4.9	05/21/10	05/21/10 12:31	1011	
Styrene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 12:31	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	40	1	20	05/21/10	05/21/10 12:31	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-29</b>	<b>Date/Time Sampled: 05/18/2010 08:25</b>			<b>PSS Sample ID: 10051907-001</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 88</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Acenaphthylene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Anthracene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Benzo(a)anthracene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Benzo(a)pyrene	ND	ug/kg	26	1	26	05/24/10	05/24/10 22:20	1014	
Benzo(b)fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Benzo(g,h,i)perylene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Benzo(k)fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
bis(2-chloroethyl) ether	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Di-n-butyl phthalate	ND	ug/kg	380	1	190	05/24/10	05/24/10 22:20	1014	
Carbazole	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
4-Chloroaniline	ND	ug/kg	380	1	190	05/24/10	05/24/10 22:20	1014	
2-Chloronaphthalene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2-Chlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Chrysene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	26	1	26	05/24/10	05/24/10 22:20	1014	
Dibenzofuran	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
1,2-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
1,3-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
1,4-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
3,3-Dichlorobenzidine	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2,4-Dichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Diethyl phthalate	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2,4-Dimethylphenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2,4-Dinitrophenol	ND	ug/kg	380	1	190	05/24/10	05/24/10 22:20	1014	
2,4-Dinitrotoluene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2,6-Dinitrotoluene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-29</b>	<b>Date/Time Sampled: 05/18/2010 08:25</b>		<b>PSS Sample ID: 10051907-001</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 88</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Hexachlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Hexachlorobutadiene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Hexachlorocyclopentadiene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Hexachloroethane	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Isophorone	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2-Methylnaphthalene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2-Methyl phenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
3&4-Methylphenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Naphthalene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Nitrobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	75	1	38	05/24/10	05/24/10 22:20	1014	
N-Nitrosodiphenylamine	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Pentachlorophenol	ND	ug/kg	380	1	190	05/24/10	05/24/10 22:20	1014	
Phenanthrene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Phenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Pyrene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2,4,6-Trichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	
2,4,5-Trichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 22:20	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-28</b>	Date/Time Sampled: 05/18/2010 08:10	PSS Sample ID: 10051907-002
<b>Matrix: SOIL</b>	Date/Time Received: 05/19/2010 12:40	% Solids: 76

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	3.1		1	1.5	05/21/10	05/25/10 06:38	1033
Arsenic	<b>3.1</b>	mg/kg	0.3		1	0.3	05/21/10	05/25/10 06:38	1033
Beryllium	ND	mg/kg	3.1		1	1.5	05/21/10	05/26/10 00:08	1033
Cadmium	ND	mg/kg	3.1		1	1.5	05/21/10	05/25/10 06:38	1033
Chromium	<b>29</b>	mg/kg	3.1		1	1.5	05/21/10	05/25/10 06:38	1033
Copper	<b>38</b>	mg/kg	3.1		1	1.5	05/21/10	05/26/10 00:08	1033
Lead	<b>3.7</b>	mg/kg	3.1		1	1.5	05/21/10	05/25/10 06:38	1033
Mercury	<b>0.08</b>	mg/kg	0.12	J	1	0.06	05/21/10	05/25/10 06:38	1033
Nickel	<b>7.7</b>	mg/kg	3.1		1	1.5	05/21/10	05/25/10 06:38	1033
Selenium	ND	mg/kg	3.1		1	1.5	05/21/10	05/25/10 06:38	1033
Silver	ND	mg/kg	3.1		1	1.5	05/21/10	05/25/10 06:38	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/21/10	05/25/10 06:38	1033
Zinc	<b>35</b>	mg/kg	12		1	6.2	05/21/10	05/25/10 06:38	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
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*HF - Heavier fuel/oil pattern observed in sample.*

	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	<b>19</b>	mg/kg	13	HF	1	6.5	05/22/10	05/24/10 15:49	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	150		1	73	05/20/10	05/20/10 17:09	1035

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**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-28</b>	<b>Date/Time Sampled: 05/18/2010 08:10</b>			<b>PSS Sample ID: 10051907-002</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 76</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Vinyl Chloride	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Bromomethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Chloroethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Acetone	17	ug/kg	26	J	1	13	05/21/10	05/21/10 13:00	1011
1,1-Dichloroethene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Methylene Chloride	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
trans-1,2-Dichloroethene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Methyl-t-butyl ether	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
1,1-Dichloroethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
2-Butanone	ND	ug/kg	26		1	13	05/21/10	05/21/10 13:00	1011
cis-1,2-Dichloroethene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Chloroform	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
1,1,1-Trichloroethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
1,2-Dichloroethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Carbon Tetrachloride	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Benzene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
1,2-Dichloropropane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Carbon Disulfide	ND	ug/kg	13		1	6.6	05/21/10	05/21/10 13:00	1011
Trichloroethene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Bromodichloromethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
cis-1,3-Dichloropropene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
4-Methyl-2-Pentanone	ND	ug/kg	26		1	13	05/21/10	05/21/10 13:00	1011
trans-1,3-Dichloropropene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
1,1,2-Trichloroethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Toluene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
1,2-Dibromoethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Dibromochloromethane	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Bromoform	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011
Tetrachloroethene	ND	ug/kg	7		1	3.3	05/21/10	05/21/10 13:00	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-28</b>	<b>Date/Time Sampled: 05/18/2010 08:10</b>			<b>PSS Sample ID: 10051907-002</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 76</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
Ethylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.6	05/21/10	05/21/10 13:00	1011	
Styrene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
o-Xylene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
Isopropylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
n-Propylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
n-Butylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 13:00	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	53	1	26	05/21/10	05/21/10 13:00	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-28</b>	<b>Date/Time Sampled: 05/18/2010 08:10</b>		<b>PSS Sample ID: 10051907-002</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 76</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Acenaphthylene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Anthracene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Benzo(a)anthracene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Benzo(a)pyrene	ND	ug/kg	31	1	31	05/24/10	05/25/10 02:41	1014	
Benzo(b)fluoranthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Benzo(g,h,i)perylene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Benzo(k)fluoranthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
bis(2-chloroethyl) ether	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Di-n-butyl phthalate	ND	ug/kg	440	1	220	05/24/10	05/25/10 02:41	1014	
Carbazole	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
4-Chloroaniline	ND	ug/kg	440	1	220	05/24/10	05/25/10 02:41	1014	
2-Chloronaphthalene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2-Chlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Chrysene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	31	1	31	05/24/10	05/25/10 02:41	1014	
Dibenzofuran	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
1,2-Dichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
1,3-Dichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
1,4-Dichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
3,3-Dichlorobenzidine	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2,4-Dichlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Diethyl phthalate	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2,4-Dimethylphenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2,4-Dinitrophenol	ND	ug/kg	440	1	220	05/24/10	05/25/10 02:41	1014	
2,4-Dinitrotoluene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2,6-Dinitrotoluene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Fluoranthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-28</b>	<b>Date/Time Sampled: 05/18/2010 08:10</b>		<b>PSS Sample ID: 10051907-002</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 76</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Hexachlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Hexachlorobutadiene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Hexachlorocyclopentadiene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Hexachloroethane	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Isophorone	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2-Methylnaphthalene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2-Methyl phenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
3&4-Methylphenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Naphthalene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Nitrobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	87	1	44	05/24/10	05/25/10 02:41	1014	
N-Nitrosodiphenylamine	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Pentachlorophenol	ND	ug/kg	440	1	220	05/24/10	05/25/10 02:41	1014	
Phenanthrene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Phenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Pyrene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2,4,6-Trichlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	
2,4,5-Trichlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 02:41	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-30</b>	<b>Date/Time Sampled: 05/18/2010 08:40</b>	<b>PSS Sample ID: 10051907-003</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>	<b>% Solids: 84</b>

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:44	1033
Arsenic	<b>3.3</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 06:44	1033
Beryllium	ND	mg/kg	2.5		1	1.2	05/21/10	05/26/10 00:15	1033
Cadmium	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:44	1033
Chromium	<b>33</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:44	1033
Copper	<b>15</b>	mg/kg	2.5		1	1.2	05/21/10	05/26/10 00:15	1033
Lead	<b>7.6</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:44	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/21/10	05/25/10 06:44	1033
Nickel	<b>15</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:44	1033
Selenium	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:44	1033
Silver	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 06:44	1033
Thallium	ND	mg/kg	0.5		1	0.2	05/21/10	05/25/10 06:44	1033
Zinc	<b>45</b>	mg/kg	9.9		1	5	05/21/10	05/25/10 06:44	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
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*HF - Heavier fuel/oil pattern observed in sample.*

	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	<b>6.8</b>	mg/kg	12	J	1	5.9	05/22/10	05/24/10 15:49	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	<b>57</b>	ug/kg	110	J	1	54	05/20/10	05/20/10 17:39	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-30</b>		<b>Date/Time Sampled: 05/18/2010 08:40</b>			<b>PSS Sample ID: 10051907-003</b>				
<b>Matrix: SOIL</b>		<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 84</b>				
VCP Volatile Organic Compounds		Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
		<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Vinyl Chloride		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Bromomethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Chloroethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Acetone		23	ug/kg	20		1	9.9	05/21/10	05/21/10 13:29
1,1-Dichloroethene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Methylene Chloride		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
trans-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Methyl-t-butyl ether		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
1,1-Dichloroethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
2-Butanone		ND	ug/kg	20		1	9.9	05/21/10	05/21/10 13:29
cis-1,2-Dichloroethene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Chloroform		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
1,1,1-Trichloroethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
1,2-Dichloroethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Carbon Tetrachloride		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Benzene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
1,2-Dichloropropane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Carbon Disulfide		ND	ug/kg	10		1	5	05/21/10	05/21/10 13:29
Trichloroethene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Bromodichloromethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
cis-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
4-Methyl-2-Pentanone		ND	ug/kg	20		1	9.9	05/21/10	05/21/10 13:29
trans-1,3-Dichloropropene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
1,1,2-Trichloroethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Toluene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
1,2-Dibromoethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Dibromochloromethane		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Bromoform		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29
Tetrachloroethene		ND	ug/kg	5		1	2.5	05/21/10	05/21/10 13:29

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-30</b>	<b>Date/Time Sampled: 05/18/2010 08:40</b>			<b>PSS Sample ID: 10051907-003</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 84</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
Ethylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
m,p-Xylenes	ND	ug/kg	10	1	5	05/21/10	05/21/10 13:29	1011	
Styrene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
o-Xylene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.5	05/21/10	05/21/10 13:29	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	40	1	20	05/21/10	05/21/10 13:29	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-30</b>	<b>Date/Time Sampled: 05/18/2010 08:40</b>		<b>PSS Sample ID: 10051907-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Acenaphthylene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Anthracene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/24/10	05/25/10 00:16	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:16	1014	
Carbazole	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:16	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2-Chlorophenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Chrysene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/24/10	05/25/10 00:16	1014	
Dibenzofuran	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Diethyl phthalate	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:16	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Fluoranthene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-30</b>	<b>Date/Time Sampled: 05/18/2010 08:40</b>		<b>PSS Sample ID: 10051907-003</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 84</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Hexachlorobenzene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Hexachloroethane	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Isophorone	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2-Methyl phenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
3&4-Methylphenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Naphthalene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Nitrobenzene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	79	1	40	05/24/10	05/25/10 00:16	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:16	1014	
Phenanthrene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Phenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Pyrene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	99	05/24/10	05/25/10 00:16	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-34</b>	<b>Date/Time Sampled: 05/18/2010 09:20</b>	<b>PSS Sample ID: 10051907-004</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>	<b>% Solids: 83</b>

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Arsenic	<b>1.7</b>	mg/kg	0.3		1	0.3	05/21/10	05/25/10 07:11	1033
Beryllium	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Cadmium	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Chromium	<b>14</b>	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Copper	<b>5.1</b>	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Lead	<b>6.6</b>	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Mercury	ND	mg/kg	0.11		1	0.05	05/21/10	05/25/10 07:11	1033
Nickel	<b>5.6</b>	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Selenium	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Silver	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:11	1033
Thallium	<b>0.34</b>	mg/kg	0.5	J	1	0.3	05/21/10	05/25/10 07:11	1033
Zinc	<b>39</b>	mg/kg	11		1	5.3	05/21/10	05/25/10 07:11	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
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*HF - Heavier fuel/oil pattern observed in sample.*

	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	<b>9.7</b>	mg/kg	12	J	1	5.9	05/22/10	05/24/10 16:10	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	<b>78</b>	ug/kg	120	J	1	60	05/21/10	05/21/10 14:47	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-34</b>	<b>Date/Time Sampled: 05/18/2010 09:20</b>			<b>PSS Sample ID: 10051907-004</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 83</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Vinyl Chloride	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Bromomethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Chloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Acetone	<b>19</b>	ug/kg	25	J	1	12	05/21/10	05/21/10 13:57	1011
1,1-Dichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Methylene Chloride	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Methyl-t-butyl ether	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
1,1-Dichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
2-Butanone	ND	ug/kg	25		1	12	05/21/10	05/21/10 13:57	1011
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Chloroform	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
1,1,1-Trichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
1,2-Dichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Carbon Tetrachloride	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Benzene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
1,2-Dichloropropane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Carbon Disulfide	ND	ug/kg	12		1	6.2	05/21/10	05/21/10 13:57	1011
Trichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Bromodichloromethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
4-Methyl-2-Pentanone	ND	ug/kg	25		1	12	05/21/10	05/21/10 13:57	1011
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
1,1,2-Trichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Toluene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
1,2-Dibromoethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Dibromochloromethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Bromoform	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011
Tetrachloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 13:57	1011

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**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-34</b>	<b>Date/Time Sampled: 05/18/2010 09:20</b>	<b>PSS Sample ID: 10051907-004</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>	<b>% Solids: 83</b>

VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Chlorobenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
Ethylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
m,p-Xylenes	ND	ug/kg	12	1	6.2	05/21/10	05/21/10 13:57	1011	
Styrene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
o-Xylene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
Isopropylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
n-Propylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
n-Butylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 13:57	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	50	1	25	05/21/10	05/21/10 13:57	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-34</b>	<b>Date/Time Sampled: 05/18/2010 09:20</b>		<b>PSS Sample ID: 10051907-004</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Acenaphthylene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Anthracene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Benzo(a)pyrene	ND	ug/kg	28	1	28	05/24/10	05/25/10 00:45	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Di-n-butyl phthalate	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:45	1014	
Carbazole	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
4-Chloroaniline	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:45	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2-Chlorophenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Chrysene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	28	1	28	05/24/10	05/25/10 00:45	1014	
Dibenzofuran	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Diethyl phthalate	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2,4-Dinitrophenol	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:45	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Fluoranthene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-34</b>	<b>Date/Time Sampled: 05/18/2010 09:20</b>		<b>PSS Sample ID: 10051907-004</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 83</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Hexachlorobenzene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Hexachloroethane	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Isophorone	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2-Methyl phenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
3&4-Methylphenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Naphthalene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Nitrobenzene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	80	1	40	05/24/10	05/25/10 00:45	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Pentachlorophenol	ND	ug/kg	400	1	200	05/24/10	05/25/10 00:45	1014	
Phenanthrene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Phenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Pyrene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	100	05/24/10	05/25/10 00:45	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-35</b>	<b>Date/Time Sampled: 05/18/2010 09:05</b>		<b>PSS Sample ID: 10051907-005</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 88</b>						
PP MDE Metals	Analytical Method: SW846 6020A							Preparation Method: SW846 3050B	
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Arsenic	<b>3.9</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 07:17	1033
Beryllium	<b>1.3</b>	mg/kg	2.0	J	1	1	05/21/10	05/25/10 07:17	1033
Cadmium	ND	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Chromium	<b>22</b>	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Copper	<b>14</b>	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Lead	<b>12</b>	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Mercury	ND	mg/kg	0.08		1	0.04	05/21/10	05/25/10 07:17	1033
Nickel	<b>9.6</b>	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Selenium	ND	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Silver	ND	mg/kg	2.0		1	1	05/21/10	05/25/10 07:17	1033
Thallium	<b>0.25</b>	mg/kg	0.4	J	1	0.2	05/21/10	05/25/10 07:17	1033
Zinc	<b>37</b>	mg/kg	8.1		1	4.1	05/21/10	05/25/10 07:17	1033
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C							Preparation Method: SW846 3550	
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	ND	mg/kg	11		1	5.6	05/22/10	05/24/10 16:10	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C							Preparation Method: SW846 5035A	
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	<b>63</b>	ug/kg	110	J	1	57	05/20/10	05/21/10 00:40	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-35</b>	<b>Date/Time Sampled: 05/18/2010 09:05</b>			<b>PSS Sample ID: 10051907-005</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 88</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Vinyl Chloride	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Bromomethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Chloroethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Acetone	55	ug/kg	23	1	11	05/21/10	05/21/10 14:26	1011
1,1-Dichloroethene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Methylene Chloride	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
trans-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Methyl-t-butyl ether	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
1,1-Dichloroethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
2-Butanone	ND	ug/kg	23	1	11	05/21/10	05/21/10 14:26	1011
cis-1,2-Dichloroethene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Chloroform	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
1,1,1-Trichloroethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
1,2-Dichloroethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Carbon Tetrachloride	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Benzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
1,2-Dichloropropane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Carbon Disulfide	ND	ug/kg	11	1	5.6	05/21/10	05/21/10 14:26	1011
Trichloroethene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Bromodichloromethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
cis-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
4-Methyl-2-Pentanone	ND	ug/kg	23	1	11	05/21/10	05/21/10 14:26	1011
trans-1,3-Dichloropropene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
1,1,2-Trichloroethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Toluene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
1,2-Dibromoethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Dibromochloromethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Bromoform	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011
Tetrachloroethene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-35</b>	<b>Date/Time Sampled: 05/18/2010 09:05</b>			<b>PSS Sample ID: 10051907-005</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 88</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
Ethylbenzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
m,p-Xylenes	ND	ug/kg	11	1	5.6	05/21/10	05/21/10 14:26	1011	
Styrene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
o-Xylene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
Isopropylbenzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
n-Propylbenzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
n-Butylbenzene	ND	ug/kg	6	1	2.8	05/21/10	05/21/10 14:26	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	45	1	23	05/21/10	05/21/10 14:26	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-35</b>	<b>Date/Time Sampled: 05/18/2010 09:05</b>			<b>PSS Sample ID: 10051907-005</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 88</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Acenaphthylene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Anthracene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Benzo(a)anthracene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Benzo(a)pyrene	ND	ug/kg	26	1	26	05/24/10	05/24/10 23:18	1014	
Benzo(b)fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Benzo(g,h,i)perylene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Benzo(k)fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
bis(2-chloroethyl) ether	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Di-n-butyl phthalate	ND	ug/kg	380	1	190	05/24/10	05/24/10 23:18	1014	
Carbazole	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
4-Chloroaniline	ND	ug/kg	380	1	190	05/24/10	05/24/10 23:18	1014	
2-Chloronaphthalene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2-Chlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Chrysene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	26	1	26	05/24/10	05/24/10 23:18	1014	
Dibenzofuran	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
1,2-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
1,3-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
1,4-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
3,3-Dichlorobenzidine	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2,4-Dichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Diethyl phthalate	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2,4-Dimethylphenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2,4-Dinitrophenol	ND	ug/kg	380	1	190	05/24/10	05/24/10 23:18	1014	
2,4-Dinitrotoluene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2,6-Dinitrotoluene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-35</b>	<b>Date/Time Sampled: 05/18/2010 09:05</b>		<b>PSS Sample ID: 10051907-005</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 88</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Hexachlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Hexachlorobutadiene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Hexachlorocyclopentadiene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Hexachloroethane	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Isophorone	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2-Methylnaphthalene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2-Methyl phenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
3&4-Methylphenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Naphthalene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Nitrobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	75	1	38	05/24/10	05/24/10 23:18	1014	
N-Nitrosodiphenylamine	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Pentachlorophenol	ND	ug/kg	380	1	190	05/24/10	05/24/10 23:18	1014	
Phenanthrene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Phenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Pyrene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2,4,6-Trichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	
2,4,5-Trichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/24/10 23:18	1014	

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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-33</b>	Date/Time Sampled: 05/18/2010 09:40	PSS Sample ID: 10051907-006
<b>Matrix: SOIL</b>	Date/Time Received: 05/19/2010 12:40	% Solids: 88

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Arsenic	<b>3.4</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 07:24	1033
Beryllium	<b>1.2</b>	mg/kg	1.9	J	1	1	05/21/10	05/25/10 07:24	1033
Cadmium	ND	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Chromium	<b>16</b>	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Copper	<b>13</b>	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Lead	<b>11</b>	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Mercury	ND	mg/kg	0.08		1	0.04	05/21/10	05/25/10 07:24	1033
Nickel	<b>8.1</b>	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Selenium	ND	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Silver	ND	mg/kg	1.9		1	1	05/21/10	05/25/10 07:24	1033
Thallium	<b>0.25</b>	mg/kg	0.4	J	1	0.2	05/21/10	05/25/10 07:24	1033
Zinc	<b>42</b>	mg/kg	7.7		1	3.8	05/21/10	05/25/10 07:24	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
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*HF - Heavier fuel/oil pattern observed in sample.*

	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	<b>43</b>	mg/kg	11	HF	1	5.7	05/22/10	05/24/10 16:32	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	160		1	78	05/20/10	05/21/10 01:10	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-33</b>	<b>Date/Time Sampled: 05/18/2010 09:40</b>			<b>PSS Sample ID: 10051907-006</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 88</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Vinyl Chloride	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Bromomethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Chloroethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Acetone	<b>18</b>	ug/kg	20	J	1	9.8	05/21/10	05/21/10 14:55
1,1-Dichloroethene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Methylene Chloride	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
trans-1,2-Dichloroethene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Methyl-t-butyl ether	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
1,1-Dichloroethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
2-Butanone	ND	ug/kg	20		1	9.8	05/21/10	05/21/10 14:55
cis-1,2-Dichloroethene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Chloroform	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
1,1,1-Trichloroethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
1,2-Dichloroethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Carbon Tetrachloride	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Benzene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
1,2-Dichloropropane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Carbon Disulfide	ND	ug/kg	10		1	4.9	05/21/10	05/21/10 14:55
Trichloroethene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Bromodichloromethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
cis-1,3-Dichloropropene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
4-Methyl-2-Pentanone	ND	ug/kg	20		1	9.8	05/21/10	05/21/10 14:55
trans-1,3-Dichloropropene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
1,1,2-Trichloroethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Toluene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
1,2-Dibromoethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Dibromochloromethane	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Bromoform	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55
Tetrachloroethene	ND	ug/kg	5		1	2.4	05/21/10	05/21/10 14:55

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-33</b>	<b>Date/Time Sampled: 05/18/2010 09:40</b>			<b>PSS Sample ID: 10051907-006</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 88</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
Ethylbenzene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
m,p-Xylenes	ND	ug/kg	10	1	4.9	05/21/10	05/21/10 14:55	1011	
Styrene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
o-Xylene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
Isopropylbenzene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
n-Propylbenzene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
n-Butylbenzene	ND	ug/kg	5	1	2.4	05/21/10	05/21/10 14:55	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	39	1	20	05/21/10	05/21/10 14:55	1011	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-33</b>	<b>Date/Time Sampled: 05/18/2010 09:40</b>			<b>PSS Sample ID: 10051907-006</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 88</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Acenaphthylene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Anthracene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Benzo(a)anthracene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Benzo(a)pyrene	ND	ug/kg	26	1	26	05/24/10	05/25/10 03:10	1014	
Benzo(b)fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Benzo(g,h,i)perylene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Benzo(k)fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
bis(2-chloroethyl) ether	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Di-n-butyl phthalate	ND	ug/kg	380	1	190	05/24/10	05/25/10 03:10	1014	
Carbazole	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
4-Chloroaniline	ND	ug/kg	380	1	190	05/24/10	05/25/10 03:10	1014	
2-Chloronaphthalene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2-Chlorophenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Chrysene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	26	1	26	05/24/10	05/25/10 03:10	1014	
Dibenzofuran	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
1,2-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
1,3-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
1,4-Dichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
3,3-Dichlorobenzidine	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2,4-Dichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Diethyl phthalate	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2,4-Dimethylphenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2,4-Dinitrophenol	ND	ug/kg	380	1	190	05/24/10	05/25/10 03:10	1014	
2,4-Dinitrotoluene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2,6-Dinitrotoluene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Fluoranthene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-33</b>	<b>Date/Time Sampled: 05/18/2010 09:40</b>		<b>PSS Sample ID: 10051907-006</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 88</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Hexachlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Hexachlorobutadiene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Hexachlorocyclopentadiene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Hexachloroethane	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Isophorone	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2-Methylnaphthalene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2-Methyl phenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
3&4-Methylphenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Naphthalene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Nitrobenzene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	76	1	38	05/24/10	05/25/10 03:10	1014	
N-Nitrosodiphenylamine	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Pentachlorophenol	ND	ug/kg	380	1	190	05/24/10	05/25/10 03:10	1014	
Phenanthrene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Phenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Pyrene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2,4,6-Trichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	
2,4,5-Trichlorophenol	ND	ug/kg	190	1	94	05/24/10	05/25/10 03:10	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-32</b>	<b>Date/Time Sampled: 05/18/2010 09:55 PSS Sample ID: 10051907-007</b>								
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40 % Solids: 85</b>								
PP MDE Metals	Analytical Method: SW846 6020A						Preparation Method: SW846 3050B		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Arsenic	<b>2.5</b>	mg/kg	0.3		1	0.3	05/21/10	05/25/10 07:30	1033
Beryllium	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Cadmium	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Chromium	<b>3.6</b>	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Copper	<b>30</b>	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Lead	<b>2.9</b>	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Mercury	ND	mg/kg	0.11		1	0.05	05/21/10	05/25/10 07:30	1033
Nickel	<b>2.2</b>	mg/kg	2.7	J	1	1.3	05/21/10	05/25/10 07:30	1033
Selenium	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Silver	ND	mg/kg	2.7		1	1.3	05/21/10	05/25/10 07:30	1033
Thallium	<b>0.33</b>	mg/kg	0.5	J	1	0.3	05/21/10	05/25/10 07:30	1033
Zinc	<b>29</b>	mg/kg	11		1	5.4	05/21/10	05/25/10 07:30	1033
Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C						Preparation Method: SW846 3550		
<i>HF - Heavier fuel/oil pattern observed in sample.</i>									
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	<b>25</b>	mg/kg	12	HF	1	5.9	05/22/10	05/24/10 16:32	1040
Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C						Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	110		1	55	05/20/10	05/21/10 01:40	1035

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-32</b>	<b>Date/Time Sampled: 05/18/2010 09:55</b>			<b>PSS Sample ID: 10051907-007</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 85</b>			
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Vinyl Chloride	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Bromomethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Chloroethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Acetone	15	ug/kg	23	J	1	12	05/21/10	05/21/10 15:24	1011
1,1-Dichloroethene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Methylene Chloride	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
trans-1,2-Dichloroethene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Methyl-t-butyl ether	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
1,1-Dichloroethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
2-Butanone	ND	ug/kg	23		1	12	05/21/10	05/21/10 15:24	1011
cis-1,2-Dichloroethene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Chloroform	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
1,1,1-Trichloroethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
1,2-Dichloroethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Carbon Tetrachloride	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Benzene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
1,2-Dichloropropane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Carbon Disulfide	ND	ug/kg	12		1	5.8	05/21/10	05/21/10 15:24	1011
Trichloroethene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Bromodichloromethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
cis-1,3-Dichloropropene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
4-Methyl-2-Pentanone	ND	ug/kg	23		1	12	05/21/10	05/21/10 15:24	1011
trans-1,3-Dichloropropene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
1,1,2-Trichloroethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Toluene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
1,2-Dibromoethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Dibromochloromethane	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Bromoform	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011
Tetrachloroethene	ND	ug/kg	6		1	2.9	05/21/10	05/21/10 15:24	1011

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-32</b>	<b>Date/Time Sampled: 05/18/2010 09:55</b>		<b>PSS Sample ID: 10051907-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 85</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
Ethylbenzene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
m,p-Xylenes	ND	ug/kg	12	1	5.8	05/21/10	05/21/10 15:24	1011	
Styrene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
o-Xylene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
Isopropylbenzene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
n-Propylbenzene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
n-Butylbenzene	ND	ug/kg	6	1	2.9	05/21/10	05/21/10 15:24	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	46	1	23	05/21/10	05/21/10 15:24	1011	

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<b>Sample ID: AOC-35-32</b>	<b>Date/Time Sampled: 05/18/2010 09:55</b>		<b>PSS Sample ID: 10051907-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 85</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Acenaphthylene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Anthracene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Benzo(a)anthracene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Benzo(a)pyrene	ND	ug/kg	27	1	27	05/24/10	05/25/10 02:12	1014	
Benzo(b)fluoranthene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Benzo(g,h,i)perylene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Benzo(k)fluoranthene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
bis(2-chloroethyl) ether	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Di-n-butyl phthalate	ND	ug/kg	390	1	200	05/24/10	05/25/10 02:12	1014	
Carbazole	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
4-Chloroaniline	ND	ug/kg	390	1	200	05/24/10	05/25/10 02:12	1014	
2-Chloronaphthalene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2-Chlorophenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Chrysene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	27	1	27	05/24/10	05/25/10 02:12	1014	
Dibenzofuran	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
1,2-Dichlorobenzene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
1,3-Dichlorobenzene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
1,4-Dichlorobenzene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
3,3-Dichlorobenzidine	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2,4-Dichlorophenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Diethyl phthalate	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2,4-Dimethylphenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2,4-Dinitrophenol	ND	ug/kg	390	1	200	05/24/10	05/25/10 02:12	1014	
2,4-Dinitrotoluene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2,6-Dinitrotoluene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Fluoranthene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	

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May 28, 2010

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<b>Sample ID: AOC-35-32</b>	<b>Date/Time Sampled: 05/18/2010 09:55</b>		<b>PSS Sample ID: 10051907-007</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 85</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Hexachlorobenzene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Hexachlorobutadiene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Hexachlorocyclopentadiene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Hexachloroethane	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Isophorone	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2-Methylnaphthalene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2-Methyl phenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
3&4-Methylphenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Naphthalene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Nitrobenzene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	78	1	39	05/24/10	05/25/10 02:12	1014	
N-Nitrosodiphenylamine	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Pentachlorophenol	ND	ug/kg	390	1	200	05/24/10	05/25/10 02:12	1014	
Phenanthrene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Phenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Pyrene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2,4,6-Trichlorophenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	
2,4,5-Trichlorophenol	ND	ug/kg	200	1	98	05/24/10	05/25/10 02:12	1014	

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No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-31</b>	<b>Date/Time Sampled: 05/18/2010 10:10</b>	<b>PSS Sample ID: 10051907-009</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>	<b>% Solids: 75</b>

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Arsenic	<b>1.6</b>	mg/kg	0.3		1	0.3	05/21/10	05/25/10 07:37	1033
Beryllium	<b>2.4</b>	mg/kg	3.0	J	1	1.5	05/21/10	05/25/10 07:37	1033
Cadmium	ND	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Chromium	<b>8.4</b>	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Copper	<b>41</b>	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Lead	<b>5.9</b>	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Mercury	<b>0.09</b>	mg/kg	0.12	J	1	0.06	05/21/10	05/25/10 07:37	1033
Nickel	<b>8.4</b>	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Selenium	ND	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Silver	ND	mg/kg	3.0		1	1.5	05/21/10	05/25/10 07:37	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/21/10	05/25/10 07:37	1033
Zinc	<b>44</b>	mg/kg	12		1	5.9	05/21/10	05/25/10 07:37	1033

Total Petroleum Hydrocarbons - DRO	Analytical Method: SW846 8015C	Preparation Method: SW846 3550
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*HF - Heavier fuel/oil pattern observed in sample.*

	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-DRO (Diesel Range Organics)	<b>24</b>	mg/kg	13	HF	1	6.5	05/22/10	05/24/10 15:27	1040

Total Petroleum Hydrocarbons-GRO	Analytical Method: SW846 8015C	Preparation Method: SW846 5035A
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	130		1	65	05/20/10	05/21/10 02:10	1035

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<b>Sample ID: AOC-35-31</b>	<b>Date/Time Sampled: 05/18/2010 10:10</b>		<b>PSS Sample ID: 10051907-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 75</b>						
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chloromethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Vinyl Chloride	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Bromomethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Chloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Acetone	<b>19</b>	ug/kg	25	J	1	12	05/21/10	05/21/10 16:21	1011
1,1-Dichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Methylene Chloride	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
trans-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Methyl-t-butyl ether	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
1,1-Dichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
2-Butanone	ND	ug/kg	25		1	12	05/21/10	05/21/10 16:21	1011
cis-1,2-Dichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Chloroform	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
1,1,1-Trichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
1,2-Dichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Carbon Tetrachloride	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Benzene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
1,2-Dichloropropane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Carbon Disulfide	ND	ug/kg	12		1	6.2	05/21/10	05/21/10 16:21	1011
Trichloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Bromodichloromethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
cis-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
4-Methyl-2-Pentanone	ND	ug/kg	25		1	12	05/21/10	05/21/10 16:21	1011
trans-1,3-Dichloropropene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
1,1,2-Trichloroethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Toluene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
1,2-Dibromoethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Dibromochloromethane	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Bromoform	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011
Tetrachloroethene	ND	ug/kg	6		1	3.1	05/21/10	05/21/10 16:21	1011

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**BALTIMORE, MD 21228**  
**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-31</b>	<b>Date/Time Sampled: 05/18/2010 10:10</b>			<b>PSS Sample ID: 10051907-009</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 75</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
Ethylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
m,p-Xylenes	ND	ug/kg	12	1	6.2	05/21/10	05/21/10 16:21	1011	
Styrene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
o-Xylene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
Isopropylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
n-Propylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
n-Butylbenzene	ND	ug/kg	6	1	3.1	05/21/10	05/21/10 16:21	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	49	1	25	05/21/10	05/21/10 16:21	1011	

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## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-31</b>	<b>Date/Time Sampled: 05/18/2010 10:10</b>		<b>PSS Sample ID: 10051907-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 75</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Acenaphthylene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Anthracene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Benzo(a)anthracene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Benzo(a)pyrene	ND	ug/kg	31	1	31	05/24/10	05/25/10 01:43	1014	
Benzo(b)fluoranthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Benzo(g,h,i)perylene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Benzo(k)fluoranthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
bis(2-chloroethyl) ether	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
bis(2-chloroisopropyl) ether	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
bis(2-ethylhexyl) phthalate	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Di-n-butyl phthalate	ND	ug/kg	440	1	220	05/24/10	05/25/10 01:43	1014	
Carbazole	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
4-Chloroaniline	ND	ug/kg	440	1	220	05/24/10	05/25/10 01:43	1014	
2-Chloronaphthalene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2-Chlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Chrysene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Dibenz(a,h)Anthracene	ND	ug/kg	31	1	31	05/24/10	05/25/10 01:43	1014	
Dibenzofuran	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
1,2-Dichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
1,3-Dichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
1,4-Dichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
3,3-Dichlorobenzidine	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2,4-Dichlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Diethyl phthalate	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2,4-Dimethylphenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2,4-Dinitrophenol	ND	ug/kg	440	1	220	05/24/10	05/25/10 01:43	1014	
2,4-Dinitrotoluene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2,6-Dinitrotoluene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Fluoranthene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-31</b>	<b>Date/Time Sampled: 05/18/2010 10:10</b>		<b>PSS Sample ID: 10051907-009</b>						
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>		<b>% Solids: 75</b>						
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Hexachlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Hexachlorobutadiene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Hexachlorocyclopentadiene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Hexachloroethane	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Isophorone	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2-Methylnaphthalene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2-Methyl phenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
3&4-Methylphenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Naphthalene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Nitrobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
N-Nitrosodi-n-propyl amine	ND	ug/kg	89	1	44	05/24/10	05/25/10 01:43	1014	
N-Nitrosodiphenylamine	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Pentachlorophenol	ND	ug/kg	440	1	220	05/24/10	05/25/10 01:43	1014	
Phenanthrene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Phenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Pyrene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
Bis(2-ethylhexyl)adipate	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
1,2,4-Trichlorobenzene	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2,4,6-Trichlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	
2,4,5-Trichlorophenol	ND	ug/kg	220	1	110	05/24/10	05/25/10 01:43	1014	

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## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-03</b>	<b>Date/Time Sampled: 05/18/2010 00:00</b>	<b>PSS Sample ID: 10051907-014</b>
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>	<b>% Solids: 86</b>

PP MDE Metals	Analytical Method: SW846 6020A					Preparation Method: SW846 3050B			
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Arsenic	<b>3.9</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 07:44	1033
Beryllium	<b>1.6</b>	mg/kg	2.5	J	1	1.2	05/21/10	05/25/10 07:44	1033
Cadmium	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Chromium	<b>33</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Copper	<b>17</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Lead	<b>15</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/21/10	05/25/10 07:44	1033
Nickel	<b>15</b>	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Selenium	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Silver	ND	mg/kg	2.5		1	1.2	05/21/10	05/25/10 07:44	1033
Thallium	<b>0.35</b>	mg/kg	0.5	J	1	0.2	05/21/10	05/25/10 07:44	1033
Zinc	<b>50</b>	mg/kg	10		1	5	05/21/10	05/25/10 07:44	1033

Total Petroleum Hydrocarbons - DRO      Analytical Method: SW846 8015C      Preparation Method: SW846 3550

*HF - Heavier fuel/oil pattern observed in sample.*

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-DRO (Diesel Range Organics)	<b>13</b>	mg/kg	11	HF	1	5.7	05/22/10	05/24/10 17:29	1040

Total Petroleum Hydrocarbons-GRO      Analytical Method: SW846 8015C      Preparation Method: SW846 5035A

	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/kg	120		1	59	05/20/10	05/21/10 02:40	1035

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<b>Sample ID: DUP-AOC-35-03</b>	<b>Date/Time Sampled: 05/18/2010 00:00</b>			<b>PSS Sample ID: 10051907-014</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 86</b>		
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B					Preparation Method: SW846 5035A		
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Chloromethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Vinyl Chloride	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Bromomethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Chloroethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Acetone	33	ug/kg	27	1	13	05/21/10	05/21/10 18:45	1011
1,1-Dichloroethene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Methylene Chloride	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
trans-1,2-Dichloroethene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Methyl-t-butyl ether	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
1,1-Dichloroethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
2-Butanone	ND	ug/kg	27	1	13	05/21/10	05/21/10 18:45	1011
cis-1,2-Dichloroethene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Chloroform	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
1,1,1-Trichloroethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
1,2-Dichloroethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Carbon Tetrachloride	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Benzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
1,2-Dichloropropane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Carbon Disulfide	ND	ug/kg	13	1	6.7	05/21/10	05/21/10 18:45	1011
Trichloroethene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Bromodichloromethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
cis-1,3-Dichloropropene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
4-Methyl-2-Pentanone	ND	ug/kg	27	1	13	05/21/10	05/21/10 18:45	1011
trans-1,3-Dichloropropene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
1,1,2-Trichloroethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Toluene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
1,2-Dibromoethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Dibromochloromethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Bromoform	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011
Tetrachloroethene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011

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## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-03</b>	<b>Date/Time Sampled: 05/18/2010 00:00</b>			<b>PSS Sample ID: 10051907-014</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 86</b>					
VCP Volatile Organic Compounds	Analytical Method: SW846 8260B				Preparation Method: SW846 5035A				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
Ethylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
m,p-Xylenes	ND	ug/kg	13	1	6.7	05/21/10	05/21/10 18:45	1011	
Styrene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
o-Xylene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
Isopropylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
n-Propylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
1,3,5-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
1,2,4-Trimethylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
n-Butylbenzene	ND	ug/kg	7	1	3.3	05/21/10	05/21/10 18:45	1011	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	53	1	27	05/21/10	05/21/10 18:45	1011	

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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>					<b>% Solids: 86</b>			
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C				Preparation Method: SW846 3550				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Acenaphthene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Acenaphthylene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Anthracene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Benzo(a)anthracene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Benzo(a)pyrene	<b>82</b>	ug/kg	27		1	27	05/24/10	05/25/10 01:14	1014
Benzo(b)fluoranthene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Benzo(g,h,i)perylene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Benzo(k)fluoranthene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
bis(2-chloroethyl) ether	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
bis(2-chloroisopropyl) ether	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
bis(2-ethylhexyl) phthalate	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Di-n-butyl phthalate	ND	ug/kg	390		1	190	05/24/10	05/25/10 01:14	1014
Carbazole	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
4-Chloroaniline	ND	ug/kg	390		1	190	05/24/10	05/25/10 01:14	1014
2-Chloronaphthalene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2-Chlorophenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Chrysene	<b>96</b>	ug/kg	190	J	1	96	05/24/10	05/25/10 01:14	1014
Dibenz(a,h)Anthracene	ND	ug/kg	27		1	27	05/24/10	05/25/10 01:14	1014
Dibenzofuran	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
1,2-Dichlorobenzene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
1,3-Dichlorobenzene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
1,4-Dichlorobenzene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
3,3-Dichlorobenzidine	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2,4-Dichlorophenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Diethyl phthalate	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2,4-Dimethylphenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2,4-Dinitrophenol	ND	ug/kg	390		1	190	05/24/10	05/25/10 01:14	1014
2,4-Dinitrotoluene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2,6-Dinitrotoluene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Fluoranthene	<b>150</b>	ug/kg	190	J	1	96	05/24/10	05/25/10 01:14	1014

**OFFICES:**  
**6630 BALTIMORE NATIONAL PIKE**  
**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10051907

**ARGO Systems, Glen Burnie, MD**

May 28, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-03</b>	<b>Date/Time Sampled: 05/18/2010 00:00</b>			<b>PSS Sample ID: 10051907-014</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/19/2010 12:40</b>			<b>% Solids: 86</b>					
VCP Semivolatile Organic Compounds	Analytical Method: SW846 8270C			Preparation Method: SW846 3550					
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Fluorene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Hexachlorobenzene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Hexachlorobutadiene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Hexachlorocyclopentadiene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Hexachloroethane	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Indeno(1,2,3-c,d)Pyrene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Isophorone	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2-Methylnaphthalene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2-Methyl phenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
3&4-Methylphenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Naphthalene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Nitrobenzene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
N-Nitrosodi-n-propyl amine	ND	ug/kg	77		1	39	05/24/10	05/25/10 01:14	1014
N-Nitrosodiphenylamine	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Pentachlorophenol	ND	ug/kg	390		1	190	05/24/10	05/25/10 01:14	1014
Phenanthrene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Phenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
Pyrene	<b>150</b>	ug/kg	190	J	1	96	05/24/10	05/25/10 01:14	1014
Bis(2-ethylhexyl)adipate	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
1,2,4-Trichlorobenzene	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2,4,6-Trichlorophenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014
2,4,5-Trichlorophenol	ND	ug/kg	190		1	96	05/24/10	05/25/10 01:14	1014

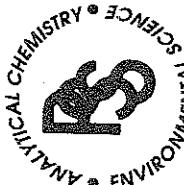


# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

1	CLIENT:	EPD	OFFICE LOC.	Sparks MD	PSS Work Order #:	10051407	PAGE	1	OF	15
Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WM=Waste Wtr O-Oil S=Soil M=Solid W=Waste Solid										
PROJECT MGR:	(4) (b)	PHONE NO.:	(410) 329-5114	No.	C	SAMPLE TYPE	Preservatives Used	-	HCl	-
EMAIL:	(4) (b) <i>Danest.com</i>	FAX NO.:	(410) 771-5204	O	N	Analysis/ Method Required				
PROJECT NAME:	DTCD	PROJECT NO.:	1402307	T	A	C = COMP				
SITE LOCATION:	Perf + Degas +	P.O. NO.:	(4) (b)	N	I	G = GRAB				
SAMPLERS:				R						
2	LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)					REMARKS
1	AOC-35-29 *	5/18/10	0825	5	7	6	X	X	X	*15 Chancis identified above
2	AOC-35-28 *		0810				X	X	X	Residential Camp
3	AOC-35-30 *		0840				X	X	X	Standard Sample
4	AOC-35-34 *		0920				X	X	X	Should be air analyzed for Hg
5	AOC-35-35 *		0905				X	X	X	Chromic, Verdium
6	AOC-35-33 *		0940				X	X	X	Please refrigerate before mailing!
7	AOC-35-32 *		0955				X	X	X	
8	1A(489)-1		1345				X	X	X	
9	AOC-35-31 *		1010				X	X	X	
10	AOC-45a-28		1105				X	X	X	
11							X	X	X	
4	Date	Time	Received By:				Requested Turnaround Time	# of Coolers:		
							<input type="checkbox"/> 5-Day	<input type="checkbox"/> 3-Day	<input checked="" type="checkbox"/> 2-Day	
							<input type="checkbox"/> Next Day	<input type="checkbox"/> Emergency	<input type="checkbox"/> Other	
Data Deliverables Required:										
Relinquished By: (4) (b) (4) (b) (4) (b) (4)	Date	Time	Received By:							
Relinquished By: (4)	Date	Time	Received By:							
Relinquished By: (4)	Date	Time	Received By:							
Relinquished By: (4)	Date	Time	Received By:							
Special Instructions:										
6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723										
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version, or the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.										



## **SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM**

## PHASE SEPARATION SCIENCE, INC.

[www.phaseonline.com](http://www.phaseonline.com)  
email: [info@phaseonline.com](mailto:info@phaseonline.com)

CLIENT: <b>(EPV)</b>		OFFICE LOC. <b>Sherk's, MD</b>		PAGE <b>2</b> OF <b>2</b>			
PSS Work Order # <b>10051907</b>							
Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W=Wipe							
PROJECT MGR: <b>(4)</b>		PHONE NO.: <b>(410) 329-5114</b>					
EMAIL: <b>(4)</b>		FAX NO.: <b>(410) 771-4204</b>					
PROJECT NAME: <b>WTC B</b>		PROJECT NO.: <b>1462305</b>					
SITE LOCATION: <b>Port Deposit</b>		P.O. NO.: <b>(4)</b>					
SAMPLERS: <b>(4)</b>							
<b>2</b>	<b>LAB NO.</b>	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	REMARKS	
						C = <b>COMP</b>	G = <b>GRAB</b>
11	AOC-45a-54	5/18/10 1050	5	4	X X	Self Change is Identified above Residential Cls	
12	AOC-45a-69	1135	4	4	X X		
13	AOC-45a-74	1120	4	4	X X		
14	Dsp-Aoc-355-03*	-	7	7	X X X X X X X X	Standard sample should be taken for Hex Chem in area V. P.	
15	Dsp-Aoc-45a-02	-	1	1	X X X X X X X X		
16	AOC-14-3-0-7*	0905	7	7	X X X X X X X X		
17	AOC-14-3-2-4*	0930	7	7	X X X X X X X X		
18	AOC-14-4-0-7*	0050	4	4	X X X X X X X X	Infrac EA	
19	*AOC-14-4-2-4	1000	7	7	X X X X X X X X	before run	
20	AOC-14-5-0-2*	1020	7	7	X X X X X X X X		
<b>5</b>		Date <b>5/19/10 10:10</b>	Time <b>10:10</b>	Received By: <b>(b)</b>		# of Coolers: <b>5</b>	Requested Turnaround Time
Relinquished By: <b>(4)</b>		Date <b>5/19/10 12:10</b>	Time <b>12:10</b>	Received By: <b>(b)</b>		Custody Seal <b>ABS</b>	2-Day
Relinquished By: <b>(4)</b>		Date <b>5/19/10 12:10</b>	Time <b>12:10</b>	Received By: <b>(b)</b>		Other	Emergency
Relinquished By: <b>(4)</b>		Date	Time	Received By:		Ice Present: <b>NES</b>	Temp: <b>0°C</b>
Relinquished By: <b>(4)</b>		Date	Time	Received By:		Shipping Carrier: <b>DIAL</b>	
Special Instructions:							



# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

① CLIENT:	EP/9		OFFICE LOC:	Sparks MD		PSS Work Order #:	10061907		PAGE <u>3</u> OF <u>5</u>
PROJECT MGR:	(4) (S)		PHONE NO.:	(410) 329-5114		Matrix Codes:			
EMAIL:	(4) (S) <a href="mailto:Client.com">Client.com</a>		FAX NO.:	(410) 771-4204		SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil ML=Waste Liquid WS=Waste Solid W=Wipe			
PROJECT NAME:	NTC B		PROJECT NO.:	1462305		No. C O N T A R E S	Preservatives Used	Analysis Method Required	REMARKS
SITE LOCATION:	Part Deposit		P.O. NO.:	(4) (S)		C = COMP	(3)		
SAMPLERS:						N G = GRAB			
② LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX (See Codes)				
21	AOC-14-5-2-4*		5/18/10	1040	S	7	X X X X X	X X X X X	* If sample is identified above
22	Dup - 10C-14-01		-	-		5	X X X X X	X X X X X	Resident/Client
23	Dup-Mc-14-02*		-	-		2	X X X X X	X X X X X	Standard sample
24	AOC-28-27 MJD		1410	-		3	X X X X X	X X X X X	Should be acidified
25	AOC-28-19		1450	-		13	X X X X X	X X X X X	for Hex Chrome Mn
26	AOC-28-20		1430	-		13	X X X X X	X X X X X	and U. Please
27	AOC-28-28		1400	-		13	X X X X X	X X X X X	inform EH
28	AOC-28-34		1340	-		13	X X X X X	X X X X X	before running.
29	AOC-28-33		135	-		13	X X X X X	X X X X X	
30	AOC-28-29		1350	V	V	13	X X X X X	X X X X X	
③ Relinquished By: (4) (S)	Date: 5/19/10	Time: 1040	Received By: (4) (S)	Date: 5/19/10	Time: 1140	Received By: (4) (S)	Requested Turnaround Time	# of Coolers: 5	
							<input type="checkbox"/> 5-Day	<input type="checkbox"/> 3-Day	<input checked="" type="checkbox"/> 2 Day
							<input type="checkbox"/> Next Day	<input type="checkbox"/> Emergency	<input type="checkbox"/> Other
④ Relinquished By: (4) (S)	Date: 5/19/10	Time: 1140	Received By: (4) (S)	Date: 5/19/10	Time: 1140	Received By: (4) (S)	Data Deliverables Required:	Custody Seal: ABS	
								Ice Present: <input checked="" type="checkbox"/> DSS Temp: <input checked="" type="checkbox"/> 0°C	Shipping Carrier: DHL
⑤ Relinquished By: (4) (S)	Date:	Time:	Received By:	Special Instructions:					
Relinquished By: (4)	Date:	Time:	Received By:						



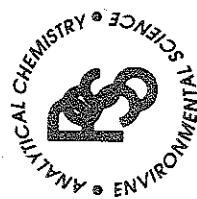
# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

<b>①</b> CLIENT:	EPFA	OFFICE LOC.	Sparks, MD	PSS Work Order #:	10051907	PAGE	4	OF	5		
PROJECT MGR:	(4) [REDACTED]	PHONE NO.:	(410) 329-5111	Matrix Codes:	SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Solid W=Wire						
EMAIL:	(4) [REDACTED]@epfa.com	FAX NO.:	(410) 771-4704	No.	C	SAMPLE TYPE	Preservatives Used	Analysis/Method Required			
PROJECT NAME:	[REDACTED]	PROJECT NO.:	1402306	O	N	C = COMP	③	④			
SITE LOCATION:	Port Deposit, MD	P.O. NO.:	[REDACTED]	N	A	G = GRAB	⑤	⑥			
SAMPLERS:	[REDACTED]	DATE:	[REDACTED]	R	S				REMARKS		
<b>②</b>	LAB NO.	SAMPLE IDENTIFICATION	TIME	MATRIX (See Codes)							
31		HOC-28-35	Strp 1325	S		1	6	X X			
32		Dup-Hoc-28.01	5/18/10	-		1	1	X X			
33	Dup-Hoc-20-04	2-4	5/10/10	-		1	1	X X			
34	Dup-Hoc-24-05	2-4	5/21/10	-		1	1	X X			
35	Dup-Hoc-24-06-1		5/10/10	-		1	1	X X			
36	Dup-Hoc-3-07-2-4		5/12/10	-		1	1	X X			
37	Dup-Hoc-3-07-2-4		5/13/10	-		1	1	X X			
38	Dup-Hoc-3-08/8/10		5/13/10	-		1	1	X X			
39	Dup-Hoc-3-09/2-4		5/12/10	-		1	2	X X			
40	HOC-24-33/2-4	M 3/15/10	1000	-				X X			
<b>③</b>	Relinquished By: (2)	Date:	Time:	Received By:	Time:	④	⑤	⑥	⑦	⑧	⑨
<b>④</b>	Relinquished By: (3)	Date:	Time:	Received By:	Time:	⑩	⑪	⑫	⑬	⑭	⑮
<b>⑤</b>	Relinquished By: (4)	Date:	Time:	Received By:	Time:	⑯	⑰	⑱	⑲	⑳	⑳
Special Instructions: * HOC-24-33/2-4 is MSD ONLY * Not for sample previously run											
# of Coolers: 5 Custody Seal: ABS Ice Present: YES temp: 0° Shipping Carrier: DHL											
Requested Turnaround Time: <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other											
Data Deliverables Required:											

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723  
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



## **SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM**

PHASE SEPARATION SCIENCE, INC.

[www.phaseonline.com](http://www.phaseonline.com)  
email: [info@phaseonline.com](mailto:info@phaseonline.com)

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723  
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all reasonable fees if collection becomes necessary.



# Phase Separation Science, Inc

## Sample Receipt Checklist

Wo Number	10051907	Received By	(b) (4)
Client Name	ARGO Systems	Date Received	05/19/2010 12:40:00 PM
Project Name	NTCB	Delivered By	Dial Courier
Project Number	1462309	Tracking No	Not Applicable
Disposal Date:	06/23/2010	Logged In By	(b) (4)

### Shipping Container(s)

No. of Coolers	5	Ice	Present
Custody Seals	Absent	Temp (deg C)	0
Seal Condition	Absent	Temp Blank Present	No

### Documentation

COC agrees with sample labels?  Yes or  No Sampler Name: (b) (4)  
Chain of Custody (COC)  Yes or  No MD DW Cert. No: N/A

### Sample Container

Appropriate for Specified Analysis?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Custody Seal(s)	Absent
Intact?	<input checked="" type="checkbox"/>	Custody Seal(s) Intact?	Not Applicable
Labeled and Labels Legible	<input checked="" type="checkbox"/>	Seal(s) Signed / Dated	Not Applicable
Total No. of Samples Received	41	Total No. of Containers Received	(191)

### Preservation

		Yes	No	N/A
Metals	(pH<2)	_____	_____	<input checked="" type="checkbox"/>
Cyanides	(pH>12)	_____	_____	<input checked="" type="checkbox"/>
Sulfide	(pH>9)	_____	_____	<input checked="" type="checkbox"/>
TOC, COD, Phenols	(pH<2)	_____	_____	<input checked="" type="checkbox"/>
TOX, TKN, NH3, Total Phos	(pH<2)	_____	_____	<input checked="" type="checkbox"/>
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	_____	_____	<input checked="" type="checkbox"/>
Do VOA vials have zero headspace?		_____	_____	<input checked="" type="checkbox"/>

### Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling

Samples Inspected/Checklist Completed By: (b) (4)

Date:

5/19/10

PM Review and Approval: (b) (4)

Date:

5/21/10

Printed: 05/19/2010 06:49 PM

# Analytical Report for

**ARGO Systems**

**Certificate of Analysis No.: 10052015**

**Project Manager:** (b) (4)

**Project Name :** NTCB

**Project Location:** Port Deposit

**Project ID :** 1462309



**June 3, 2010**

**Phase Separation Science, Inc.**  
**6630 Baltimore National Pike**  
**Baltimore, MD 21228**  
**Phone: (410) 747-8770**  
**Fax: (410) 788-8723**

**OFFICES:**  
**6630 BALTIMORE NATIONAL**  
**PIKE**  
**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
**800-932-9047**

# PHASE SEPARATION SCIENCE, INC.



June 3, 2010

(b) (4)

**ARGO Systems**

1403 Madison Park Dr., Ste. 205  
Glen Burnie, MD 21061

Reference: PSS Work Order No: **10052015**

Project Name : NTCB

Project Location: Port Deposit

Project ID.: 1462309

Dear (b) (4) :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10052015**.

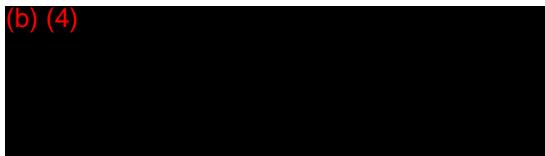
All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on June 24, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

(b) (4)



Laboratory Manager



**Case Narrative Summary**  
**Client Name: ARGO Systems**  
**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10052015**

The following samples were received under chain of custody by Phase Separation Science (PSS) on 05/20/2010 at 02:00 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
10052015-001	AOC-2A-34/0-2 MS/MSD	SOIL	05/19/2010 08:00
10052015-002	AOC-2A-34/2-4 MS/MSD	SOIL	05/19/2010 00:00
10052015-003	AOC-28-UST-01	SOIL	05/19/2010 09:00
10052015-004	AOC-28-UST-02	SOIL	05/19/2010 09:10
10052015-005	AOC-7-2	SOIL	05/19/2010 10:15
10052015-006	AOC-7-5	SOIL	05/19/2010 10:40
10052015-007	AOC-7-9	SOIL	05/19/2010 11:00
10052015-008	AOC-7-7	SOIL	05/19/2010 11:15
10052015-009	AOC-7-4	SOIL	05/19/2010 11:30
10052015-010	AOC-7-8	SOIL	05/19/2010 11:50
10052015-011	DUP-AOC-7-01	SOIL	05/19/2010 00:00
10052015-012	DUP-AOC-7-02	SOIL	05/19/2010 00:00
10052015-013	AOC-7-11 MSMSD	SOIL	05/19/2010 14:10
10052015-014	AOC-7-10	SOIL	05/19/2010 14:20
10052015-015	AOC-7-6 MSMSD	SOIL	05/19/2010 14:35
10052015-016	AOC-7-3	SOIL	05/19/2010 14:45
10052015-017	DUP-AOC-7-03	SOIL	05/19/2010 00:00
10052015-018	AOC-7-1	SOIL	05/19/2010 10:00
10052015-019	AOC-35-1	SOIL	05/14/2010 10:00
10052015-020	AOC-35-2	SOIL	05/14/2010 09:45
10052015-021	AOC-35-3	SOIL	05/14/2010 09:25
10052015-022	AOC-35-4	SOIL	05/14/2010 09:00
10052015-023	AOC-35-5	SOIL	05/14/2010 08:45
10052015-024	AOC-35-6	SOIL	05/14/2010 10:30
10052015-025	AOC-35-7	SOIL	05/14/2010 10:50
10052015-026	AOC-35-8	SOIL	05/14/2010 11:05
10052015-027	AOC-35-9	SOIL	05/14/2010 11:30
10052015-028	AOC-35-10	SOIL	05/14/2010 13:05
10052015-029	AOC-35-11	SOIL	05/17/2010 09:20
10052015-030	AOC-35-12	SOIL	05/17/2010 09:00
10052015-031	AOC-35-13 MS/MSD	SOIL	05/14/2010 14:10
10052015-032	AOC-35-14	SOIL	05/14/2010 13:50
10052015-033	AOC-35-15	SOIL	05/17/2010 13:20
10052015-034	AOC-35-16	SOIL	05/17/2010 09:40
10052015-035	AOC-35-17	SOIL	05/17/2010 10:05
10052015-036	AOC-35-18	SOIL	05/17/2010 10:30
10052015-037	AOC-35-19	SOIL	05/17/2010 10:50
10052015-038	AOC-35-20	SOIL	05/17/2010 11:15
10052015-039	AOC-35-21	SOIL	05/17/2010 14:35
10052015-040	AOC-35-22	SOIL	05/17/2010 14:15
10052015-041	AOC-35-23	SOIL	05/17/2010 14:00
10052015-042	AOC-35-24	SOIL	05/17/2010 00:00
10052015-043	AOC-35-25	SOIL	05/17/2010 13:15



# Case Narrative Summary

**Client Name: ARGO Systems**

**Project Name: NTCB**

**Project ID: 1462309**

**Work Order Number: 10052015**

10052015-044	AOC-35-26	SOIL	05/17/2010 15:00
10052015-045	AOC-35-27	SOIL	05/17/2010 15:15
10052015-046	DUP-AOC-35-05	SOIL	05/14/2010 00:00
10052015-047	DUP-AOC-35-06	SOIL	05/14/2010 00:00

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

#### Narrative Comments:

Total Metals:

Intermediate and Closing CCV's have a Be recovery of 88%, 86% respectively, limits 90-110%. Samples affected are 043-047

#### Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

#### Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

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**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-7-1</b>	<b>Date/Time Sampled: 05/19/2010 10:00</b>				<b>PSS Sample ID: 10052015-018</b>			
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>				<b>% Solids: 91</b>			

VCP Volatile Organic Compounds	Analytical Method: SW846 8260B	Preparation Method: SW846 5035A
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Chlorobenzene	ND	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
Ethylbenzene	<b>49</b>	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
m,p-Xylenes	ND	ug/kg	10		1	5.2	05/25/10	05/25/10 17:11	1011
Styrene	ND	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
1,1,2,2-Tetrachloroethane	ND	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
o-Xylene	<b>5</b>	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
Isopropylbenzene	<b>13</b>	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
n-Propylbenzene	<b>58</b>	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
1,3,5-Trimethylbenzene	ND	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
1,2,4-Trimethylbenzene	<b>200</b>	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
n-Butylbenzene	<b>28</b>	ug/kg	5		1	2.6	05/25/10	05/25/10 17:11	1011
1,2-Dibromo-3-Chloropropane	ND	ug/kg	42		1	21	05/25/10	05/25/10 17:11	1011

<b>Sample ID: AOC-35-1</b>	<b>Date/Time Sampled: 05/14/2010 10:00</b>				<b>PSS Sample ID: 10052015-019</b>			
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>				<b>% Solids: 81</b>			

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Arsenic	<b>3.4</b>	mg/kg	0.3		1	0.3	05/21/10	05/25/10 08:50	1033
Beryllium	<b>1.3</b>	mg/kg	2.6	J	1	1.3	05/21/10	05/25/10 08:50	1033
Cadmium	ND	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Chromium	<b>76</b>	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Copper	<b>36</b>	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Lead	<b>20</b>	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Mercury	<b>0.05</b>	mg/kg	0.10	J	1	0.05	05/21/10	05/25/10 08:50	1033
Nickel	<b>34</b>	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Selenium	ND	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Silver	ND	mg/kg	2.6		1	1.3	05/21/10	05/25/10 08:50	1033
Thallium	<b>0.34</b>	mg/kg	0.5	J	1	0.3	05/21/10	05/25/10 08:50	1033
Zinc	<b>100</b>	mg/kg	10		1	5.2	05/21/10	05/25/10 08:50	1033

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**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-2</b>	<b>Date/Time Sampled: 05/14/2010 09:45</b>		<b>PSS Sample ID: 10052015-020</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 83</b>					

PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Arsenic	<b>3.2</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 08:57	1033
Beryllium	<b>1.3</b>	mg/kg	2.1	J	1	1	05/21/10	05/25/10 08:57	1033
Cadmium	ND	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Chromium	<b>46</b>	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Copper	<b>27</b>	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Lead	<b>13</b>	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Mercury	<b>0.05</b>	mg/kg	0.08	J	1	0.04	05/21/10	05/25/10 08:57	1033
Nickel	<b>11</b>	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Selenium	ND	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Silver	ND	mg/kg	2.1		1	1	05/21/10	05/25/10 08:57	1033
Thallium	<b>0.22</b>	mg/kg	0.4	J	1	0.2	05/21/10	05/25/10 08:57	1033
Zinc	<b>41</b>	mg/kg	8.3		1	4.2	05/21/10	05/25/10 08:57	1033

<b>Sample ID: AOC-35-3</b>	<b>Date/Time Sampled: 05/14/2010 09:25</b>		<b>PSS Sample ID: 10052015-021</b>					
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 84</b>					

PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B				
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Arsenic	<b>3.7</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 09:03	1033
Beryllium	<b>1.7</b>	mg/kg	2.2	J	1	1.1	05/21/10	05/25/10 09:03	1033
Cadmium	ND	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Chromium	<b>61</b>	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Copper	<b>22</b>	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Lead	<b>13</b>	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Mercury	<b>0.05</b>	mg/kg	0.09	J	1	0.04	05/21/10	05/25/10 09:03	1033
Nickel	<b>17</b>	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Selenium	ND	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Silver	ND	mg/kg	2.2		1	1.1	05/21/10	05/25/10 09:03	1033
Thallium	ND	mg/kg	0.4		1	0.2	05/21/10	05/25/10 09:03	1033
Zinc	<b>51</b>	mg/kg	8.9		1	4.5	05/21/10	05/25/10 09:03	1033

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**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-4</b>	<b>Date/Time Sampled: 05/14/2010 09:00</b>			<b>PSS Sample ID: 10052015-022</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>			<b>% Solids: 83</b>				

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Arsenic	<b>4.4</b>	mg/kg	0.2		1	0.2	05/21/10	05/25/10 09:10	1033
Beryllium	<b>2.2</b>	mg/kg	2.3	J	1	1.2	05/21/10	05/25/10 09:10	1033
Cadmium	ND	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Chromium	<b>30</b>	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Copper	<b>43</b>	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Lead	<b>16</b>	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Mercury	ND	mg/kg	0.09		1	0.05	05/21/10	05/25/10 09:10	1033
Nickel	<b>15</b>	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Selenium	ND	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Silver	ND	mg/kg	2.3		1	1.2	05/21/10	05/25/10 09:10	1033
Thallium	<b>0.53</b>	mg/kg	0.5		1	0.2	05/21/10	05/25/10 09:10	1033
Zinc	<b>67</b>	mg/kg	9.4		1	4.7	05/21/10	05/25/10 09:10	1033

<b>Sample ID: AOC-35-5</b>	<b>Date/Time Sampled: 05/14/2010 08:45</b>			<b>PSS Sample ID: 10052015-023</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>			<b>% Solids: 85</b>				

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Arsenic	<b>4.0</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 05:43	1033
Beryllium	<b>1.5</b>	mg/kg	2.0	J	1	1	05/24/10	05/26/10 05:43	1033
Cadmium	ND	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Chromium	<b>35</b>	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Copper	<b>20</b>	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Lead	<b>14</b>	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Mercury	ND	mg/kg	0.08		1	0.04	05/24/10	05/26/10 05:43	1033
Nickel	<b>13</b>	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Selenium	ND	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Silver	ND	mg/kg	2.0		1	1	05/24/10	05/26/10 05:43	1033
Thallium	<b>0.28</b>	mg/kg	0.4	J	1	0.2	05/24/10	05/26/10 05:43	1033
Zinc	<b>51</b>	mg/kg	8.1		1	4	05/24/10	05/26/10 05:43	1033

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**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
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**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-6</b>	<b>Date/Time Sampled: 05/14/2010 10:30</b>			<b>PSS Sample ID: 10052015-024</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>			<b>% Solids: 91</b>				

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Arsenic	<b>4.9</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 05:50	1033
Beryllium	ND	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Cadmium	ND	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Chromium	<b>16</b>	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Copper	<b>13</b>	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Lead	<b>52</b>	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Mercury	<b>0.07</b>	mg/kg	0.10	J	1	0.05	05/24/10	05/26/10 05:50	1033
Nickel	<b>7.6</b>	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Selenium	ND	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Silver	ND	mg/kg	2.5		1	1.3	05/24/10	05/26/10 05:50	1033
Thallium	ND	mg/kg	0.5		1	0.3	05/24/10	05/26/10 05:50	1033
Zinc	<b>33</b>	mg/kg	10		1	5	05/24/10	05/26/10 05:50	1033

<b>Sample ID: AOC-35-7</b>	<b>Date/Time Sampled: 05/14/2010 10:50</b>			<b>PSS Sample ID: 10052015-025</b>				
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>			<b>% Solids: 86</b>				

PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Arsenic	<b>5.7</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 05:56	1033
Beryllium	<b>1.5</b>	mg/kg	2.4	J	1	1.2	05/24/10	05/26/10 05:56	1033
Cadmium	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Chromium	<b>31</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Copper	<b>20</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Lead	<b>21</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Mercury	<b>0.46</b>	mg/kg	0.09		1	0.05	05/24/10	05/26/10 05:56	1033
Nickel	<b>14</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Selenium	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Silver	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 05:56	1033
Thallium	<b>0.26</b>	mg/kg	0.5	J	1	0.2	05/24/10	05/26/10 05:56	1033
Zinc	<b>62</b>	mg/kg	9.4		1	4.7	05/24/10	05/26/10 05:56	1033

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-8</b>	<b>Date/Time Sampled: 05/14/2010 11:05</b>		<b>PSS Sample ID: 10052015-026</b>				
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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 85</b>				
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PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Arsenic	<b>5.4</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 06:03	1033
Beryllium	<b>1.6</b>	mg/kg	2.2	J	1	1.1	05/24/10	05/26/10 06:03	1033
Cadmium	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Chromium	<b>41</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Copper	<b>21</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Lead	<b>15</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Mercury	<b>0.07</b>	mg/kg	0.09	J	1	0.04	05/24/10	05/26/10 06:03	1033
Nickel	<b>18</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Selenium	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Silver	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 06:03	1033
Thallium	<b>0.35</b>	mg/kg	0.4	J	1	0.2	05/24/10	05/26/10 06:03	1033
Zinc	<b>79</b>	mg/kg	8.9		1	4.4	05/24/10	05/26/10 06:03	1033

<b>Sample ID: AOC-35-9</b>	<b>Date/Time Sampled: 05/14/2010 11:30</b>		<b>PSS Sample ID: 10052015-027</b>				
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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 75</b>				
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PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Arsenic	<b>2.8</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 06:09	1033
Beryllium	<b>2.8</b>	mg/kg	3.2	J	1	1.6	05/24/10	05/26/10 06:09	1033
Cadmium	ND	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Chromium	<b>78</b>	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Copper	<b>66</b>	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Lead	<b>39</b>	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Mercury	<b>0.07</b>	mg/kg	0.13	J	1	0.06	05/24/10	05/26/10 06:09	1033
Nickel	<b>23</b>	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Selenium	ND	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Silver	ND	mg/kg	3.2		1	1.6	05/24/10	05/26/10 06:09	1033
Thallium	<b>0.32</b>	mg/kg	0.6	J	1	0.3	05/24/10	05/26/10 06:09	1033
Zinc	<b>65</b>	mg/kg	13		1	6.4	05/24/10	05/26/10 06:09	1033

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-10</b>	Date/Time Sampled: 05/14/2010 13:05	PSS Sample ID: 10052015-028
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 82
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Arsenic	<b>3.6</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 06:16	1033
Beryllium	<b>3.4</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Cadmium	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Chromium	<b>22</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Copper	<b>54</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Lead	<b>18</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Mercury	ND	mg/kg	0.11		1	0.06	05/24/10	05/26/10 06:16	1033
Nickel	<b>15</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Selenium	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Silver	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 06:16	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/24/10	05/26/10 06:16	1033
Zinc	<b>49</b>	mg/kg	11		1	5.6	05/24/10	05/26/10 06:16	1033

<b>Sample ID: AOC-35-11</b>	Date/Time Sampled: 05/17/2010 09:20	PSS Sample ID: 10052015-029
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 83
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Arsenic	<b>2.7</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 06:22	1033
Beryllium	ND	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Cadmium	ND	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Chromium	<b>16</b>	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Copper	<b>22</b>	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Lead	<b>13</b>	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Mercury	<b>0.06</b>	mg/kg	0.09	J	1	0.05	05/24/10	05/26/10 06:22	1033
Nickel	<b>7.7</b>	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Selenium	ND	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Silver	ND	mg/kg	2.3		1	1.1	05/24/10	05/26/10 06:22	1033
Thallium	ND	mg/kg	0.5		1	0.2	05/24/10	05/26/10 06:22	1033
Zinc	<b>34</b>	mg/kg	9.0		1	4.5	05/24/10	05/26/10 06:22	1033

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-12</b>	Date/Time Sampled: 05/17/2010 09:00	PSS Sample ID: 10052015-030
<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 82

PP MDE Metals	Analytical Method: SW846 6020A					Preparation Method: SW846 3050B			
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Arsenic	<b>4.0</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 06:29	1033
Beryllium	<b>2.2</b>	mg/kg	2.9	J	1	1.4	05/24/10	05/26/10 06:29	1033
Cadmium	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Chromium	<b>45</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Copper	<b>33</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Lead	<b>12</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Mercury	ND	mg/kg	0.11		1	0.06	05/24/10	05/26/10 06:29	1033
Nickel	<b>17</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Selenium	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Silver	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:29	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/24/10	05/26/10 06:29	1033
Zinc	<b>46</b>	mg/kg	11		1	5.7	05/24/10	05/26/10 06:29	1033

<b>Sample ID: AOC-35-13 MS/MSD</b>	Date/Time Sampled: 05/14/2010 14:10	PSS Sample ID: 10052015-031
<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 85

PP MDE Metals	Analytical Method: SW846 6020A					Preparation Method: SW846 3050B			
	Result	Units	RL	Flag	Dil	LOD	Prepared	Analyzed	Analyst
Antimony	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Arsenic	<b>2.2</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 04:49	1033
Beryllium	<b>1.4</b>	mg/kg	2.3	J	1	1.2	05/24/10	05/26/10 04:49	1033
Cadmium	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Chromium	<b>22</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Copper	<b>7.2</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Lead	<b>11</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Mercury	<b>0.07</b>	mg/kg	0.09	J	1	0.05	05/24/10	05/26/10 04:49	1033
Nickel	<b>14</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Selenium	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Silver	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 04:49	1033
Thallium	<b>0.37</b>	mg/kg	0.5	J	1	0.2	05/24/10	05/26/10 04:49	1033
Zinc	<b>41</b>	mg/kg	9.3		1	4.7	05/24/10	05/26/10 04:49	1033

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-14</b>	<b>Date/Time Sampled: 05/14/2010 13:50</b>		<b>PSS Sample ID: 10052015-032</b>				
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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 85</b>				
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PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Arsenic	<b>3.7</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 06:35	1033
Beryllium	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Cadmium	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Chromium	<b>19</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Copper	<b>13</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Lead	<b>12</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/24/10	05/26/10 06:35	1033
Nickel	<b>17</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Selenium	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Silver	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 06:35	1033
Thallium	<b>0.26</b>	mg/kg	0.5	J	1	0.2	05/24/10	05/26/10 06:35	1033
Zinc	<b>58</b>	mg/kg	9.9		1	4.9	05/24/10	05/26/10 06:35	1033

<b>Sample ID: AOC-35-15</b>	<b>Date/Time Sampled: 05/17/2010 13:20</b>		<b>PSS Sample ID: 10052015-033</b>				
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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 83</b>				
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PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Arsenic	<b>2.2</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 06:42	1033
Beryllium	<b>1.7</b>	mg/kg	2.9	J	1	1.4	05/24/10	05/26/10 06:42	1033
Cadmium	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Chromium	<b>25</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Copper	<b>15</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Lead	<b>15</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Mercury	<b>0.09</b>	mg/kg	0.11	J	1	0.06	05/24/10	05/26/10 06:42	1033
Nickel	<b>18</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Selenium	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Silver	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 06:42	1033
Thallium	<b>0.51</b>	mg/kg	0.6	J	1	0.3	05/24/10	05/26/10 06:42	1033
Zinc	<b>120</b>	mg/kg	11		1	5.7	05/24/10	05/26/10 06:42	1033

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**BALTIMORE, MD 21228**  
**410-747-8770**  
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**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-16</b>	Date/Time Sampled: 05/17/2010 09:40	PSS Sample ID: 10052015-034
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 85
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Arsenic	<b>2.9</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 07:09	1033
Beryllium	ND	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Cadmium	ND	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Chromium	<b>12</b>	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Copper	<b>15</b>	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Lead	<b>8.3</b>	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Mercury	ND	mg/kg	0.09		1	0.04	05/24/10	05/26/10 07:09	1033
Nickel	<b>6.1</b>	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Selenium	ND	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Silver	ND	mg/kg	2.1		1	1.1	05/24/10	05/26/10 07:09	1033
Thallium	<b>0.27</b>	mg/kg	0.4	J	1	0.2	05/24/10	05/26/10 07:09	1033
Zinc	<b>34</b>	mg/kg	8.5		1	4.3	05/24/10	05/26/10 07:09	1033

<b>Sample ID: AOC-35-17</b>	Date/Time Sampled: 05/17/2010 10:05	PSS Sample ID: 10052015-035
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 82
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Arsenic	<b>3.3</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 07:15	1033
Beryllium	<b>2.1</b>	mg/kg	2.6	J	1	1.3	05/24/10	05/26/10 07:15	1033
Cadmium	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Chromium	<b>22</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Copper	<b>30</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Lead	<b>11</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/24/10	05/26/10 07:15	1033
Nickel	<b>8.3</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Selenium	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Silver	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:15	1033
Thallium	ND	mg/kg	0.5		1	0.3	05/24/10	05/26/10 07:15	1033
Zinc	<b>65</b>	mg/kg	10		1	5.2	05/24/10	05/26/10 07:15	1033

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-18</b>	Date/Time Sampled: 05/17/2010 10:30	PSS Sample ID: 10052015-036
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 85
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Arsenic	<b>2.7</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 07:22	1033
Beryllium	<b>1.4</b>	mg/kg	2.6	J	1	1.3	05/24/10	05/26/10 07:22	1033
Cadmium	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Chromium	<b>38</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Copper	<b>34</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Lead	<b>9.9</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Mercury	ND	mg/kg	0.11		1	0.05	05/24/10	05/26/10 07:22	1033
Nickel	<b>16</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Selenium	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Silver	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 07:22	1033
Thallium	ND	mg/kg	0.5		1	0.3	05/24/10	05/26/10 07:22	1033
Zinc	<b>68</b>	mg/kg	11		1	5.3	05/24/10	05/26/10 07:22	1033

<b>Sample ID: AOC-35-19</b>	Date/Time Sampled: 05/17/2010 10:50	PSS Sample ID: 10052015-037
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 84
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Arsenic	<b>6.1</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 07:28	1033
Beryllium	<b>1.9</b>	mg/kg	2.9	J	1	1.5	05/24/10	05/26/10 07:28	1033
Cadmium	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Chromium	<b>300</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Copper	<b>26</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Lead	<b>13</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Mercury	ND	mg/kg	0.12		1	0.06	05/24/10	05/26/10 07:28	1033
Nickel	<b>26</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Selenium	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Silver	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:28	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/24/10	05/26/10 07:28	1033
Zinc	<b>46</b>	mg/kg	12		1	5.9	05/24/10	05/26/10 07:28	1033

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-20</b>	<b>Date/Time Sampled: 05/17/2010 11:15</b>		<b>PSS Sample ID: 10052015-038</b>				
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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 83</b>				
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PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Arsenic	<b>2.1</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 07:35	1033
Beryllium	<b>2.7</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Cadmium	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Chromium	<b>20</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Copper	<b>23</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Lead	<b>9.2</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/24/10	05/26/10 07:35	1033
Nickel	<b>10</b>	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Selenium	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Silver	ND	mg/kg	2.4		1	1.2	05/24/10	05/26/10 07:35	1033
Thallium	ND	mg/kg	0.5		1	0.2	05/24/10	05/26/10 07:35	1033
Zinc	<b>42</b>	mg/kg	9.8		1	4.9	05/24/10	05/26/10 07:35	1033

<b>Sample ID: AOC-35-21</b>	<b>Date/Time Sampled: 05/17/2010 14:35</b>		<b>PSS Sample ID: 10052015-039</b>				
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<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 84</b>				
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PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Arsenic	<b>5.8</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 07:41	1033
Beryllium	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Cadmium	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Chromium	<b>23</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Copper	<b>14</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Lead	<b>22</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Mercury	ND	mg/kg	0.12		1	0.06	05/24/10	05/26/10 07:41	1033
Nickel	<b>16</b>	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Selenium	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Silver	ND	mg/kg	2.9		1	1.5	05/24/10	05/26/10 07:41	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/24/10	05/26/10 07:41	1033
Zinc	<b>38</b>	mg/kg	12		1	5.8	05/24/10	05/26/10 07:41	1033

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-22</b>	<b>Date/Time Sampled: 05/17/2010 14:15</b>		<b>PSS Sample ID: 10052015-040</b>	
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 87</b>	

PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Antimony	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Arsenic	<b>5.6</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 07:48
Beryllium	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Cadmium	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Chromium	<b>29</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Copper	<b>20</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Lead	<b>22</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Mercury	<b>0.05</b>	mg/kg	0.09	J	1	0.05	05/24/10	05/26/10 07:48
Nickel	<b>12</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Selenium	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Silver	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 07:48
Thallium	ND	mg/kg	0.5		1	0.2	05/24/10	05/26/10 07:48
Zinc	<b>49</b>	mg/kg	9.3		1	4.7	05/24/10	05/26/10 07:48

<b>Sample ID: AOC-35-23</b>	<b>Date/Time Sampled: 05/17/2010 14:00</b>		<b>PSS Sample ID: 10052015-041</b>	
<b>Matrix: SOIL</b>	<b>Date/Time Received: 05/20/2010 14:00</b>		<b>% Solids: 86</b>	

PP MDE Metals	Analytical Method: SW846 6020A				Preparation Method: SW846 3050B			
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>
Antimony	ND	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Arsenic	<b>3.4</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 07:54
Beryllium	ND	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Cadmium	ND	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Chromium	<b>35</b>	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Copper	<b>69</b>	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Lead	<b>12</b>	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Mercury	ND	mg/kg	0.11		1	0.05	05/24/10	05/26/10 07:54
Nickel	<b>14</b>	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Selenium	ND	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Silver	ND	mg/kg	2.7		1	1.3	05/24/10	05/26/10 07:54
Thallium	ND	mg/kg	0.5		1	0.3	05/24/10	05/26/10 07:54
Zinc	<b>49</b>	mg/kg	11		1	5.3	05/24/10	05/26/10 07:54

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**800-932-9047**  
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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-24</b>	Date/Time Sampled: 05/17/2010 00:00	PSS Sample ID: 10052015-042
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 85
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Arsenic	<b>4.9</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 08:01	1033
Beryllium	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Cadmium	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Chromium	<b>34</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Copper	<b>18</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Lead	<b>13</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/24/10	05/26/10 08:01	1033
Nickel	<b>13</b>	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Selenium	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Silver	ND	mg/kg	2.6		1	1.3	05/24/10	05/26/10 08:01	1033
Thallium	ND	mg/kg	0.5		1	0.3	05/24/10	05/26/10 08:01	1033
Zinc	<b>45</b>	mg/kg	10		1	5.2	05/24/10	05/26/10 08:01	1033

<b>Sample ID: AOC-35-25</b>	Date/Time Sampled: 05/17/2010 13:15	PSS Sample ID: 10052015-043
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 84
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Arsenic	<b>1.6</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 09:13	1033
Beryllium	<b>1.6</b>	mg/kg	2.5	J	1	1.2	05/24/10	05/26/10 09:13	1033
Cadmium	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Chromium	<b>23</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Copper	<b>24</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Lead	<b>12</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Mercury	ND	mg/kg	0.10		1	0.05	05/24/10	05/26/10 09:13	1033
Nickel	<b>15</b>	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Selenium	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Silver	ND	mg/kg	2.5		1	1.2	05/24/10	05/26/10 09:13	1033
Thallium	<b>0.37</b>	mg/kg	0.5	J	1	0.2	05/24/10	05/26/10 09:13	1033
Zinc	<b>70</b>	mg/kg	9.9		1	4.9	05/24/10	05/26/10 09:13	1033

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**ROUTE 40 WEST**  
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**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: AOC-35-26</b>	Date/Time Sampled: 05/17/2010 15:00	PSS Sample ID: 10052015-044
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 83
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Arsenic	<b>3.4</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 09:20	1033
Beryllium	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Cadmium	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Chromium	<b>21</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Copper	<b>19</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Lead	<b>12</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Mercury	ND	mg/kg	0.11		1	0.06	05/24/10	05/26/10 09:20	1033
Nickel	<b>8.5</b>	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Selenium	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Silver	ND	mg/kg	2.8		1	1.4	05/24/10	05/26/10 09:20	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/24/10	05/26/10 09:20	1033
Zinc	<b>37</b>	mg/kg	11		1	5.7	05/24/10	05/26/10 09:20	1033

<b>Sample ID: AOC-35-27</b>	Date/Time Sampled: 05/17/2010 15:15	PSS Sample ID: 10052015-045
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 78
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Arsenic	<b>2.7</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 09:26	1033
Beryllium	<b>1.6</b>	mg/kg	2.3	J	1	1.2	05/24/10	05/26/10 09:26	1033
Cadmium	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Chromium	<b>37</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Copper	<b>26</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Lead	<b>70</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Mercury	ND	mg/kg	0.09		1	0.05	05/24/10	05/26/10 09:26	1033
Nickel	<b>16</b>	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Selenium	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Silver	ND	mg/kg	2.3		1	1.2	05/24/10	05/26/10 09:26	1033
Thallium	<b>0.27</b>	mg/kg	0.5	J	1	0.2	05/24/10	05/26/10 09:26	1033
Zinc	<b>57</b>	mg/kg	9.3		1	4.7	05/24/10	05/26/10 09:26	1033

**OFFICES:**  
**6630 BALTIMORE NATIONAL PIKE**  
**ROUTE 40 WEST**  
**BALTIMORE, MD 21228**  
**410-747-8770**  
**800-932-9047**  
**FAX 410-788-8723**

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No: 10052015

**ARGO Systems, Glen Burnie, MD**

June 3, 2010

Project Name: NTCB

Project Location: Port Deposit

Project ID: 1462309

<b>Sample ID: DUP-AOC-35-05</b>	Date/Time Sampled: 05/14/2010 00:00	PSS Sample ID: 10052015-046
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 86
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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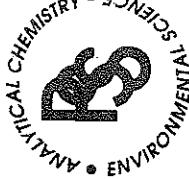
	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Arsenic	<b>2.7</b>	mg/kg	0.3		1	0.3	05/24/10	05/26/10 09:53	1033
Beryllium	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Cadmium	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Chromium	<b>24</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Copper	<b>9.4</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Lead	<b>13</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Mercury	<b>0.06</b>	mg/kg	0.11	J	1	0.06	05/24/10	05/26/10 09:53	1033
Nickel	<b>15</b>	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Selenium	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Silver	ND	mg/kg	2.9		1	1.4	05/24/10	05/26/10 09:53	1033
Thallium	ND	mg/kg	0.6		1	0.3	05/24/10	05/26/10 09:53	1033
Zinc	<b>42</b>	mg/kg	11		1	5.7	05/24/10	05/26/10 09:53	1033

<b>Sample ID: DUP-AOC-35-06</b>	Date/Time Sampled: 05/14/2010 00:00	PSS Sample ID: 10052015-047
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<b>Matrix: SOIL</b>	Date/Time Received: 05/20/2010 14:00	% Solids: 81
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PP MDE Metals	Analytical Method: SW846 6020A	Preparation Method: SW846 3050B
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	<b>Result</b>	<b>Units</b>	<b>RL</b>	<b>Flag</b>	<b>Dil</b>	<b>LOD</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Analyst</b>
Antimony	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Arsenic	<b>3.4</b>	mg/kg	0.2		1	0.2	05/24/10	05/26/10 09:59	1033
Beryllium	<b>3.0</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Cadmium	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Chromium	<b>21</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Copper	<b>49</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 17:21	1033
Lead	<b>16</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Mercury	ND	mg/kg	0.09		1	0.04	05/24/10	05/26/10 09:59	1033
Nickel	<b>14</b>	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Selenium	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Silver	ND	mg/kg	2.2		1	1.1	05/24/10	05/26/10 09:59	1033
Thallium	<b>0.24</b>	mg/kg	0.4	J	1	0.2	05/24/10	05/26/10 09:59	1033
Zinc	<b>50</b>	mg/kg	9.0		1	4.5	05/24/10	05/26/10 09:59	1033



# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

1 CLIENT: EPA		OFFICE LOC. SPARKS, MD		PSS Work Order # 10052015		PAGE 1 OF 5	
PROJECT MGR:	(4) 3 2 9 - 5114	PHONE NO.:	(410) 771-4904	Matrix Codes:	SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr MN=Waste Solid MS=Waste Liquid WS=Soil WL=Waste Solid W=Wiper		
EMAIL:	(4) 6 Client ComFax No.:			No. C	SAMPLE TYPE		
PROJECT NAME:	NTCB	PROJECT NO. J402309		O	Preservatives Used		
SITE LOCATION:	POI 1 DEPOSI +	P.O. NO.:		N	Analysis Method Required		
SAMPLERS:	(4) 8			T	C = COMP		
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	A	G = GRAB		
1	AOC-2A-3410-2 100510	0800	5	I			
2	AOC-2A-3412-4 WS			N			
3	AOC-28-VST-01	0900	4	R			
4	AOC-28-VST-02	0910		S			
5	AOC-7-2	1015					
6	AOC-7-5	1040					
7	AOC-7-9	1100					
8	AOC-7-7	1115					
9	AOC-7-4	1130					
10	AOC-7-8	1150	V				
(5) Relinquished By: (1)		Date 5/20	Time 11:15	Received By: (4) (b)		Requested Turnaround Time	# of Coolers: 1
(5) Relinquished By: (2)		Date 5/20	Time 1:00	Received By: (4) (b)		<input type="checkbox"/> 5-Day <input type="checkbox"/> Next Day <input type="checkbox"/> 3-Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> 2-Day <input type="checkbox"/> Other	Custody Seal: ABS
(5) Relinquished By: (3)		Date	Time	Received By:		Data Deliverables Required:	Ice Present: YES Temp: 2°C
(5) Relinquished By: (4)		Date	Time	Received By:		Special Instructions:	Shipping Carrier: DHL
6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723							
The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody//Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.							



**SAMPLE CHAIN OF CUSTODY/AGREEMENT  
PHASE SEPARATION SCIENCE, INC.**

**SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM**

www.phaseonline.com  
email: info@phaseonline.com

① CLIENT: <b>EPA</b>	OFFICE LOC. <b>Sparks, MD</b>	PSS Work Order # <b>10052015</b>	PAGE <b>2</b> OF <b>5</b>	
PROJECT MGR: <b>(4)(b)</b>	PHONE NO.: <b>(410) 329-5114</b>	Matrix Codes: <b>SW=Surface Wtr SW=Drinking Wtr DW=Ground Wtr MW=Waste Wtr O=Oil S=Soil M=Liquid MS=Waste Solid W=Wipe</b>		
EMAIL: <b>(4)(b)</b>	CUSTODIAN/PROJECT NO.: <b>(410) 771-4904</b>	No. <b>C</b> SAMPLE TYPE <b>O N T A N E R S</b>	Preservatives Used <b>None</b>	
PROJECT NAME: <b>NTOB</b>	PROJECT NO.: <b>1407301</b>	C = COMP <b>③</b>	Analysis Method Required <b>TPH-LRC</b>	
SITE LOCATION: <b>Port + Depository</b>	P.O. NO.: <b>(4)(b)</b>	G = GRAB <b>TPH-LRC</b>	REMARKS <b>PC Metrics</b> <b>VOCs</b> <b>TPH-GRO</b> <b>TPH-LRC</b> <b>None is identified above</b> <b>Residential Clean up Standard sample</b> <b>Should be analyzed for Hg, Chrome, Mn and V. Please inform EPA before sending</b>	
② SAMPLERS: <b>[REDACTED]</b>	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)
11 <b>DIP-AOC-7-01</b>	<b>5/19/10</b>	<b>-</b>	<b>5</b>	<b>G</b>
12 <b>DIP-AOC-7-02</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>G</b>
13 <b>AOC-7-11 M5MSD</b>	<b>1410</b>	<b>-</b>	<b>18</b>	<b>G</b>
14 <b>AOC-7-10</b>	<b>1420</b>	<b>-</b>	<b>18</b>	<b>G</b>
15 <b>AOC-7-6 M5MSD</b>	<b>1435</b>	<b>-</b>	<b>18</b>	<b>G</b>
16 <b>AOC-7-3</b>	<b>1445</b>	<b>-</b>	<b>18</b>	<b>G</b>
17 <b>DIP-AOC-7-03</b>	<b>-</b>	<b>1000</b>	<b>1</b>	<b>G</b>
18 <b>AOC-7-1</b>	<b>5/14/10</b>	<b>1000</b>	<b>1</b>	<b>G</b>
19 <b>AOC-35-1 *</b>	<b>5/14/10</b>	<b>1000</b>	<b>1</b>	<b>G</b>
20 <b>AOC-35-2 *</b>	<b>5/14/10</b>	<b>1000</b>	<b>1</b>	<b>G</b>
④ Relinquished By: (1)	Date <b>5/20</b>	Time <b>11:15</b>	Received By: <b>[REDACTED]</b>	Requested Turnaround Time <b>5-Day</b> <b>Next Day</b> <b>3-Day</b> <b>Emergency</b> <b>2-Day</b> <b>Other</b>
Relinquished By: (2)	Date <b>5/20</b>	Time <b>12:00</b>	Received By: <b>[REDACTED]</b>	Data Deliverables Required: <b>(4)(b)</b> <b>(4)</b>
Relinquished By: (3)	Date	Time	Received By:	Special Instructions:
Relinquished By: (4)	Date	Time	Received By:	

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The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

① CLIENT: <b>EPA</b>		OFFICE LOC. <b>Sparks, MD</b>		PSS Work Order #: <b>10062015</b>		PAGE <b>3</b> OF <b>5</b>	
PROJECT MGR: <b>(4)</b>		PHONE NO.: <b>(410) 329-5141</b>		Matrix Codes: <b>SW-Surface Wtr DW=Drinking Wtr GW=Ground Wtr MM=Waste Wtr O=Oil S=Soil W=Waste Solid WS=Waste Liquid WS=Wipe</b>			
EMAIL: <b>(4)</b> <b>Request.com</b>		FAX NO.: <b>(410) 771-4204</b>		No.	C	SAMPLE TYPE	Preservatives Used
PROJECT NAME: <b>NTCB</b>		PROJECT NO.: <b>JUL201</b>		O	N	Analysis Method Required	
SITE LOCATION: <b>Post Deposit</b>		P.O. NO.: <b>(4)(6)</b>		T	A	C = COMP	<b>(3)</b>
SAMPLERS:				N	R	G = GRAB	<b>P2 Metres</b>
				S			REMARKS
							<b>* If Chrome is identified above Residential Clean up Standard Sample should be analyzed for the Client's request. Please inform before running!</b>
② LAB NO.		SAMPLE IDENTIFICATION		DATE	TIME	MATRIX (See Codes)	
21		* AOC-35-3		5/14/10	0925	5	X X
22		* AOC-35-4		0900		1	X X
23		* AOC-35-5		0845			X X
24		* AOC-35-6		1030			X X
25		* AOC-35-7		1050			X X
26		* AOC-35-8		1105			X X
27		* AOC-35-9		1130			X X
28		* AOC-35-10		1305			X X
29		* AOC-35-11		5/17/10	0920		X X
30		* AOC-35-12		0900			X X
③ Relinquished By: (1)				Date <b>5/20</b>	Time <b>11:54</b>	Received By: <b>(b) (4)</b>	④ Requested Turnaround Time <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Other
Relinquished By: (2)				Date <b>5/20</b>	Time <b>12:00</b>	Received By: <b>(b) (4)</b>	⑤ Data Deliverables Required: <b>(b) (4)</b>
Relinquished By: (3)				Date	Time	Received By:	Special Instructions:
Relinquished By: (4)				Date	Time	Received By:	

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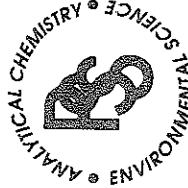
# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

<b>1</b> CLIENT:	EPA [REDACTED] OFFICE LOC. Sparks, MD		PSS Work Order # 10052015		PAGE 4 OF 5	
PROJECT MGR:	(4) (5)		PHONE NO.: (410) 329-5114	Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr MM=Waste Wtr O=Oil S=Soil WLS=Waste Solid W=Wire		
EMAIL:	(4) (5) Request.Cm		FAX NO.: (410) 771-4204			
PROJECT NAME:	NTC B		PROJECT NO.:			
SITE LOCATION:	Port Deposit		P.O. NO.:			
SAMPLERS:	[REDACTED]		(4) (5)			
<b>2</b>		SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	REMARKS
31	* AOC-35-13 ms	11/10/10	1410	5	C	* AChene is identified above
32	* AOC-35-14	11/10/1350			O	Residential Clean up
33	* AOC-35-15	11/10/1320			A	Standard Sample
34	* AOC-35-16	11/10/0940			T	should be analyzed
35	* AOC-35-17	1005			N	for Hex Chrm
36	* AOC-35-18	1030			E	MacdV Please
37	* AOC-35-19	1050			R	inform EA
38	* AOC-35-20	1115			S	before running!
39	* AOC-35-21	1435				
40	* AOC-35-22	1415	→			
<b>4</b> Relinquished By: (1)		Date 5/20	Time 11:54	Received By: [REDACTED]	(4) (5)	Requested Turnaround Time <input type="checkbox"/> 5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Other
Relinquished By: (2)		Date 5/20	Time 12:00	Received By: [REDACTED]	(b) (4)	Data Deliverables Required:
Relinquished By: (3)		Date	Time	Received By:		Special Instructions:
Relinquished By: (4)		Date	Time	Received By:		

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# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

## PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com  
email: info@phaseonline.com

① CLIENT: <b>EPA</b>		OFFICE LOC. <b>Sparks, MD</b>		PSS Work Order # <b>10052015</b>		PAGE <b>5</b> OF <b>5</b>	
PROJECT MGR:	(4) 5	PHONE NO.:	(4) 0 329-5114	Matrix Codes:			
EMAIL:	(4) 5	FAX NO.:	(4) 0 771-4204	SW-Surface Wtr, DW=Drinking Wtr, GM=Ground Wtr, MW=Waste Wtr, 0=Oil, S=Soil, WL=Waste Liquid, WS=Waste Solid, W=Wipe			
PROJECT NAME:	<b>WTC B</b>	PROJECT NO.:	<b>1462309</b>	No. C O N T A R N E S	SAMPLE TYPE	Preservatives Used	Analysis Method Required
SITE LOCATION:	<b>Port Deposit</b>	P.O. NO.:		C = COMP	③		
SAMPLERS:				G = GRAB			
② LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)		REMARKS	
41	AOC-35-23 *	5/17/10	1400	S	X	PF sample is identified above	
42	AOC-35-24 *				X	Residential Clean up	
43	AOC-35-25 *			1315	X	Standard sample should be analyzed for fire char	
44	AOC-35-26 *			1500	X	Min. V. Please inform EA before running	
45	AOC-35-27 *			1515	X		
46	Duf-AOC-35-05 *	5/17/10	-		X		
47	Duf-AOC-35-06 *				X		
③ Relinquished By: (1)	Date 5/20	Time 11:58A.	Received By: <b>(4) 5</b>	④ Requested Turnaround Time		# of Coolers: 4	
Relinquished By: (2)	Date 5/20	Time 2:50	Received By: <b>(4) 5</b>	5-Day	3-Day	2-Day	Other
Relinquished By: (3)	Date	Time	Received By:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relinquished By: (4)	Date	Time	Received By:	Data Deliverables Required:			
Special Instructions:							

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# Phase Separation Science, Inc

## Sample Receipt Checklist

Wo Number	10052015	Received By	(b) (4)
Client Name	ARGO Systems	Date Received	05/20/2010 02:00:00 PM
Project Name	NTCB	Delivered By	Dial Courier
Project Number	1462309	Tracking No	Not Applicable
Disposal Date:	06/24/2010	Logged In By	(b) (4)

### Shipping Container(s)

No. of Coolers	4	Ice	Present
Custody Seals	Absent	Temp (deg C)	2
Seal Condition	Absent	Temp Blank	Present No

### Documentation

COC agrees with sample labels?  Yes or  No Sampler Name: (b) (4)  
Chain of Custody (COC)  Yes or  No MD DW Cert No.: N/A

### Sample Container

Appropriate for Specified Analysis?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Custody Seal(s)	Absent
Intact?	<input checked="" type="checkbox"/> —	Custody Seal(s) Intact?	Not Applicable
Labeled and Labels Legible	<input checked="" type="checkbox"/> —	Seal(s) Signed / Dated	Not Applicable
Total No. of Samples Received	47	Total No. of Containers Received	177

### Preservation

		Yes	No	N/A
Metals	(pH<2)	—	—	<input checked="" type="checkbox"/>
Cyanides	(pH>12)	—	—	<input checked="" type="checkbox"/>
Sulfide	(pH>9)	—	—	<input checked="" type="checkbox"/>
TOC, COD, Phenols	(pH<2)	—	—	<input checked="" type="checkbox"/>
TOX, TKN, NH3, Total Phos	(pH<2)	—	—	<input checked="" type="checkbox"/>
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	—	—	<input checked="" type="checkbox"/>
Do VOA vials have zero headspace?		—	—	<input checked="" type="checkbox"/>

### Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling.

(b) (4)

Samples Inspected/Checklist Completed By: (b) (4)

Date:

5/21/10

Date:

5/21/10

PM Review and Approval: (b) (4)